Samsung GALAXY Note™

MOBILE PHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

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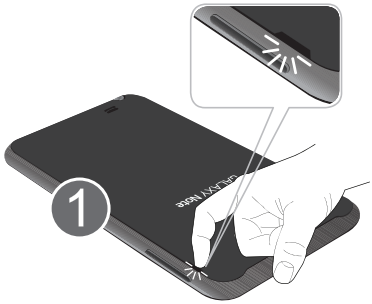
This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your Voicemail.

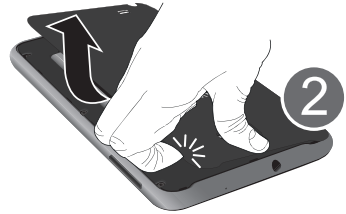
Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top side of your phone (1).



2. Lift the cover up and away from the phone (2).



Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important!: The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

- ▶ Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.

- Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.

Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing and Removing the Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

Note: Your phone has been tested to support up to a 32GB memory card.

1. Push the microSD card into the slot until it clicks (as shown).
   - Make sure the microSD's gold contact pins face downward and the card is securely inserted.

2. To remove, push on the memory card until it clicks and is released. Then grasp the memory card and remove it from the phone.

For more information on Memory Cards, see *"Memory Card"* on page 39.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).

Installing the Back Cover

1. Place the battery cover onto the back bottom of the phone (1) and press down (2).

2. Press all along the edge of the back cover until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Using the Travel Charger

Important!: Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

1. Plug the flat end of the Travel Charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.

2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Warning!: If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. see *"Standard Limited Warranty"* on page 187.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

Switching the Phone On or Off

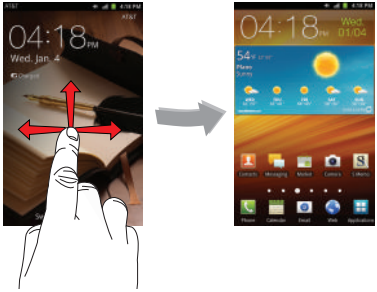
1. Press and hold (on the upper right side of the phone) until the phone switches on.
2. Sweep your finger across the screen to unlock the phone.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Changing Your Settings"* on page 97.

3. To switch off the phone, press and hold , until the **Phone options** screen displays.
4. Tap **Power off**, then tap **OK** to switch off the phone.

Locking and Unlocking the Touch Screen

1. When the phone is turned on, press to lock the touch screen.
2. To unlock your phone, press to display the lock screen then sweep your finger across the screen in any direction to unlock the phone as shown.



Setting up your Phone with Ready2Go

AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features.

1. When the **Fast & Easy Phone Set-Up** screen displays, touch **Get Started** to begin.

   – or –

   Touch **Cancel** to set up your phone later. You can access Ready2Go by tapping **Applications** → **AT&T Ready2Go**.

2. Read and follow the instructions on each screen.
3. Throughout the Ready2Go Setup Wizard you can do the following:
   - Touch **Next** to view the next screen.
   - Touch **Back** to re-display the previous screen.
   - Press to exit the Ready2Go Setup Wizard and return to the Home screen.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

After you start your phone for the first time, follow these steps:

1. From the Home screen, tap **Applications** → **Gmail**.

   The **Add a Google Account** screen displays.

2. Tap **Next** to continue.
3. Follow the on-screen instructions to create a Google Account.

Note: If you already have a Google account, you only need to sign in.

Resetting your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to reset it:

1. From your computer, use an Internet browser to navigate to http://google.com/accounts.
2. Once the URL loads, click on the **Can't access your account?** link.
3. Enter your Email address and click **Submit**.
4. Follow the on-screen instructions to reset your password.

Setting Up Your Voicemail

1. From the Home screen, tap , then touch and hold 1.

   You may be prompted to enter a password.
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap , then touch and hold 1.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voicemail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your passcode.

Android System Recovery

Android System Recovery is used for Google updates but the average user will never need to perform a system recovery.

Note: If you entered this menu by mistake, use the Volume Up/Down keys to select **reboot system now**, then press the Power key. Your phone will then continue to boot up.

To enter the Android System Recovery mode, follow these steps:

1. With the phone turned off, press the Power key and Volume Up/Down keys at the same time until the phone switches on.

2. Once the Samsung logo appears, release the Power key while continuing to press the Volume Up/Down keys.
3. Continue to press the Volume Up/Down keys for at least 8 seconds, until Recovery mode is launched and the Android System Recovery screen is displayed.
4. Release the Volume Up/Down keys.
5. The following options are available:
   - **reboot system now**: this option turns on your phone.
   - **apply update from sdcard**: this option allows you to apply updates from your memory card to your phone.
   - **wipe data/factory reset**: deletes all data from the phone except pictures and videos. For more information, refer to *"Factory data reset"* on page 116.
   - **wipe cache partition**: allows you to delete all cache data such as log files.
6. Use the Volume Up/Down keys to scroll up or down, then use the Home key to make a selection.

Safe Mode

You can boot your phone into Safe Mode if you wish to troubleshoot whether or not added applications are causing problems with the device. Safe mode will only load basic system software.

1. Make sure your phone is turned off.
2. Press and hold the power key ( ) to boot up your device.
3. After the start-up animation begins to display, rapidly tap the key until the Lock screen displays.

   When the Lock screen is displayed, **Safe mode** is displayed in the lower left corner of the screen.

Troubleshooting

If your device has fatal errors, hangs up, or freezes, you may need to reset the device to regain functionality.

- If your device is frozen and unresponsive, press and hold the Power/Lock Key for 8 to 10 seconds.

For more help, see *"Android System Recovery"* on page 11.

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

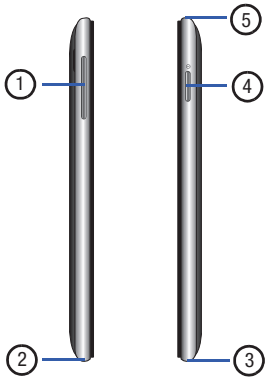
Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

- 4G LTE network with 1.5 gigahertz dual core processor
- Android Gingerbread platform
- S Memo and S Pen apps provide free-flowing input techniques
- Touch screen provides quick response to a variety of in-phone menus and options including applications and seven home screens
- Ready access to the Internet
- Built-in Bluetooth and Wi-Fi technology
- Brilliant 5.3” wide-screen SAMOLED™ HD display
- 8 Megapixel camera and camcorder
- AT&T GPS Navigation functionality provides real-time navigation
- HSDPA 21 mbps high speed download capability
- microSD card compatibility with up to 32GB expandable memory slot
- Sync and update social network applications

Front View of Your Phone

1. **External speaker**: allows you to hear the caller.
2. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
3. **Primary shortcuts**: allows quick access to important features such as Phone, Calendar, Email, Web, and Applications. For more information, refer to *"Primary Shortcuts"* on page 19.
4. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
5. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display your recently used applications and a shortcut to the Task Manager.
6. **Back key**: allows you step backwards when navigating a menu or web page.
7. **Search key**: allows you to access the Google Search feature where you can search for items on the internet.
8. **Home screen indicator**: shows which Home screen is presently displayed.
9. **AccuWeather Widget**: displays a five-day forecast for any city you select along with weather and conditions. Tap the widget to set up the weather for a desired city or your current location.
10. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, time, date, etc.
11. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.
12. **Proximity and Light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off. Also used for some Camera settings.

Side Views of Your Phone



Left Side Right Side

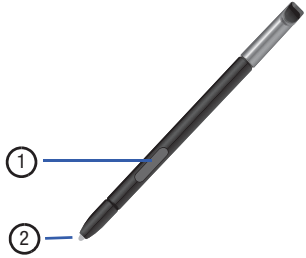
1. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( ) to mute the ring tone.
2. **Power/Accessory Interface connector**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
3. **Microphone**: allows other callers to hear you when you are speaking to them.
4. **Power/Lock key**: (⏻) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 30.
5. **3.5mm Headset jack**: allows you to plug in headphones.

Rear View of Your Phone

1. **Camera lens**: is used to take pictures and shoot videos.
2. **Flash**: is used to provide adequate light when taking pictures in dark places.
3. **External speaker**: allows you to hear when the Speakerphone is turned on.
4. **S Pen**: a built-in stylus that allows you to perform various functions. For more information, refer to *"S Pen"* on page 16.

S Pen

The S Pen is a stylus that assists you in performing different functions. By using the Pen button, you can minimize having to switch between touch and pen input.



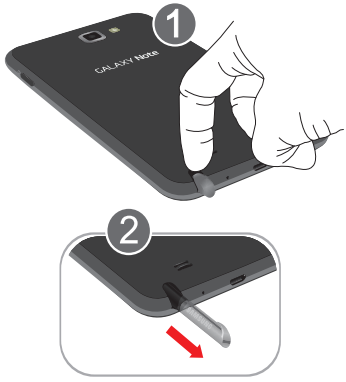
1. **Pen button**: by pressing the Pen button, you can add functionality to the S Pen. For more information, refer to *"Using the S Pen"* on page 17.
2. **Stylus tip**: the tip of the S Pen is used for tapping the screen.

Removing the S Pen from your Phone

The S Pen is stored in your phone to make it easier to keep track of.

To remove the S Pen, follow these steps:

1. Use your fingernail or a sharp object to pull the end of the S Pen out of the phone (1).



2. Pull the S Pen out of the phone (2).

Using the S Pen

There are several different functions you can perform by using the S Pen.

Back Button

To move to a previous screen, hold the S Pen button and touch and drag the screen to the left. The previous screen is displayed.

Press S Pen button

Menu Button

To display the menu from any screen, hold the S Pen button and touch and drag the screen upward. The menu is displayed.

Press S Pen button

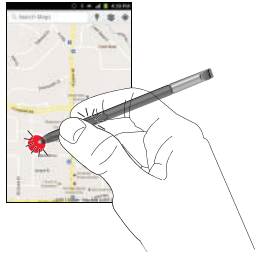
Launch S Memo Lite

S Memo Lite is an application that you can launch from any screen to take quick notes or jot down ideas. To open S Memo Lite, hold the S Pen button and double-tap the screen.

Press S Pen button

Screen Capture

To take a screen capture, hold the S Pen button and press and hold the S Pen anywhere on the screen. Files are saved in the **My Files → ScreenCapture** folder.



Write on any Screen after Capture

To write on a screen capture, use the pen to draw or write. Files are saved in the **My Files** ➔ **ScreenCapture** folder.

For information on using your S Pen with the S Memo application, see *"S Memo"* on page 159.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 13.

Primary Shortcuts

There are four non-movable Application Shortcuts that appear at the bottom of all Home screens. The default shortcuts are:

- **Phone** for dialing a number. For more information, refer to *"Making a Call"* on page 41.
- **Calendar** for recording events and appointments to manage your schedule. For more information, refer to *"Calendar"* on page 143.
- **Email** for sending and receiving email from your device. For more information, refer to *"Using Email"* on page 92.
- **Web** for surfing the Internet. For more information, refer to *"Browser"* on page 125.
- **Applications** for accessing the applications on your phone. For more information, refer to *"Applications"* on page 139.

While viewing the Applications Menu, the Application shortcut changes to **Home**, which returns you to the Main screen.

You can change the Phone, Email, and Browser application shortcuts to any icon that is displayed in the Applications menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 33.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when there is a system error or alert.

Displays when a call is in progress.

Displays when a call is in progress using a Bluetooth device.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays when Call forwarding is set to Always forward. For more information, refer to *"Call Settings"* on page 104.

Displays when you phone is set to automatically reject all calls.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Critical – Shows your current battery only has three percent power remaining and will immediately shutdown.

Displays when your connection to an EDGE network is active.

Displays when your phone is communicating with the EDGE network.

Displays when your connection to a UTMS, HSDPA, HSPA, or HSPA+ network is active.

Displays when your phone is communicating with the UTMS, HSDPA, HSPA, or HSPA+ network.

Displays when your connection to a 4G LTE network is active.

Displays when your phone is communicating with the 4G LTE network.

Displays when your phone is downloading a file.

Displays when a Market download has successfully been installed.

Displays when updates are available for download.

Displays when an external microSD memory card is full.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new Voicemail is received.

Displays when Email is received.

Displays when a new gmail message is received.

Displays as a reminder to configure your phone using the AT&T Ready2Go application or to setup your Google Account.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"Calendar"* on page 143.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 144.

Displays when the Sound profile is set to Silent mode.

Displays when the Sound profile is set to Silent mode and Vibrate is set to Always or Only in silent mode.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays when Bluetooth is on but is not connected to a Bluetooth device.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone is connected to a PC using Kies air.

Displays when your phone is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare application.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when GPS is active and acquiring a signal.

Displays when Power saving mode is enabled.

Displays when TTY device has been inserted.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 97.

Application Icons

The Application menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Applications icons, see *"Navigating Through the Application Menus"* on page 30.

1. From the Home screen, tap , then tap one of the application icons.
2. Follow the on-screen instructions.
3. To return to the Home screen, tap .

The following applications are available:

AllShare: AllShare allows your phone to stream photos, music and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your phone can also play digital content streamed from other DLNA certified devices. For more information, refer to *"AllShare"* on page 139.

Amazon Kindle: This application allows you to download books, magazines, and newspapers to read on your phone. For more information, refer to *"Amazon Kindle"* on page 140.

AT&T Code Scanner: AT&T Code Scanner allows you to scan 2D (QR and datamatrix codes) and 1D (UPC and EAN) barcodes found in magazines, stores, and online. For more information, refer to *"AT&T Code Scanner"* on page 140.

AT&T FamilyMap: provides peace of mind by being able to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private. For more information, refer to *"AT&T FamilyMap"* on page 141.

AT&T Navigator: AT&T Navigator provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches based on a variety of category parameters. For more information, refer to *"AT&T Navigator"* on page 141.

AT&T Ready2Go: AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features. For more information, refer to *"Setting up your Phone with Ready2Go"* on page 10.

Books: With Google Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to *"Books"* on page 142.

Calculator: Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 142.

Camera: Use your 8.0 megapixel camera feature to produce photos in a JPEG format. For more information, refer to *"Camera"* on page 76.

Clock: The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *"Clock"* on page 144.

Contacts: You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group. For more information, refer to *"Contacts and Your Address Book"* on page 57.

Crayon Physics: Crayon Physics is a game the uses two-dimensional physics, including gravity, mass, kinetic energy and transfer of momentum. For more information, refer to *"Crayon Physics"* on page 147.

Downloads: The Downloads application allows you to manage all of your downloads from the Market and the Browser. For more information, refer to *"Downloads"* on page 147.

Facebook: Facebook enables you to go directly to your Facebook account without accessing it through your web browser. For more information, refer to *"Facebook"* on page 148.

Featured Apps: The Featured Apps application allows you to see the latest featured applications available on the Android Market. For more information, refer to *"Featured Apps"* on page 148.

Gallery: The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 74.

Gmail: Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 94.

Google Search: The Google Search Bar provides you an on-screen Internet search engine powered by Google™. For more information, refer to *"Google Search Bar"* on page 28.

Kies air: Kies Air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view call logs, videos, photos, bookmarks, IMs, and even send SMS messages from your home computer. For more information, refer to *"Kies Air"* on page 137.

Latitude: With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location. For more information, refer to *"Latitude"* on page 149.

Live TV: Live TV is a subscription service that allows you to watch your favorite TV shows using your handset. For more information, refer to *"Live TV"* on page 151.

Maps: Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends. For more information, refer to *"Maps"* on page 151.

Market: Android Market provides access to downloadable applications and games to install on your phone. For more information, refer to *"Market"* on page 152.

Media Hub: Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to *"Media Hub"* on page 68.

Messages: AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer. For more information, refer to *"Messages App"* on page 95.

Messaging: You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 87.

Mini Diary: The Mini Diary allows you to keep a diary of your daily activities and also attach pictures. You can publish your diary entries to Facebook and MySpace. For more information, refer to *"Mini Diary"* on page 153.

Movies: The Movies application allows you to rent movies to watch on your phone. For more information, refer to *"Movies"* on page 154.

Music: With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Music"* on page 72.

Music Player: The Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 69.

My Files: My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. For more information, refer to *"My Files"* on page 155.

myAT&T: MyAT&T allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan. For more information, refer to *"myAT&T"* on page 155.

Navigation: Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination. For more information, refer to *"Navigation"* on page 156.

News & Weather: Displays current news and weather for your location. For more information, refer to *"News & Weather"* on page 157.

Places: Places is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and more. For more information, refer to *"Places"* on page 158.

Polaris Office: Polaris® Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. For more information, refer to *"Polaris Office"* on page 158.

Qik Lite: Allows you to record and share live video from your device with your friends, family and your favorite social networks. For more information, refer to *"Qik Lite"* on page 73.

S Memo: The S Memo application allows you to create memos using the keypad, the S Pen tool, or both. You can add images, voice recordings, and text all in one place. For more information, refer to *"S Memo"* on page 159.

Samsung Apps: Samsung Apps allows you to easily download an abundance of applications to your phone. Includes games, news, reference, social networking, navigation, and more applications. For more information, refer to *"Samsung Apps"* on page 162.

Settings: This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 97.

Social Hub: With Social Hub, you can now easily and intuitively satisfy all of your relevant communication needs from one integrated user experience. E-mails, instant messaging, social network contents, and calendar contents from all major service providers are available. For more information, refer to *"Social Hub"* on page 162.

Talk: Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 95.

Task Manager: The Task Manager application provides information about the processes and programs running on your phone, as well as the memory status. It can also be used to terminate processes and applications. For more information, refer to *"Task Manager"* on page 163.

Videos: The Video application plays video files stored on your microSD card. For more information, refer to *"Videos"* on page 74.

Voice Recorder: The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 163.

Voice Search: The Voice Search feature is a voice-activated application that allows you to tell the phone what to search for and then the phone activates a Google search based on what you said. For more information, refer to *"Voice Search"* on page 164.

Voice talk: With the Voice talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"Voice Talk"* on page 164.

YouTube: YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 165.

YPmobile: The YP (Yellowpages) application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time. For more information, refer to *"YPmobile"* on page 165.

Tip: To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see *"Customizing Your Home Screen"* on page 32.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main home screen, sweep the screen to the left and tap the Google Search bar .
2. Use the on-screen keypad to enter the item you want to search for, then tap **Go**.
3. Tap to narrow your search results. Tap **All**, **Web**, **Apps** or **Contacts** to only search in those areas.
4. Tap to use Google Voice Search. For more information, refer to *"Voice Search"* on page 164.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has seven home screens.

Command Keys

Menu Key

Press **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press **Home** to display the Home screen. Press and hold to display your recently used applications and a shortcut to the Task Manager.

Back Key

Press **Back** to return to the previous screen, option or step.

Search Key

Press **Search** to launch Quick Search, to search the web and your phone.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Sweep

To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

Pan

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

For more information, refer to *"Motion"* on page 115.

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

For more information, refer to *"Motion"* on page 115.

Locking and Unlocking the Phone

To lock your phone:

1. Press the lock button located on the upper right side of your phone.

   The screen should go blank.

To unlock your phone:

1. Press the lock button located on the upper right side of your phone.

   The last screen that you were on, should be displayed.

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .

Navigating Through the Home Screens

Your phone initially has seven home screens. If you like, you can place different applications on each of the home screens.

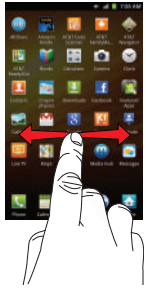
- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with three Home screens on each side.

Navigating Through the Application Menus

Your phone initially has four Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap . The first Application Menu will be displayed.

2. Sweep the screen left or right to access the other three menus.
3. Tap one of the application icons.



Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Web.

To access a sub-menu:

1. Press .

   A sub-menu will appear at the bottom of the phone screen.
2. Tap an option.

Accessing Recently-Used Applications

1. Press and hold from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Widgets on the Home Screen
- Repositioning Widgets
- Creating Folders
- Changing the Wallpaper
- Adding and Deleting Home Screens

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a shortcut from the Applications Menu

1. Press to activate the Home screen.
2. Navigate to the desired Home Page.
3. Tap to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the on-screen icon. This creates an immediate shortcut of the selected icon and closes the Applications tab. The new shortcut then appears to hover over the Home screen.
6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a shortcut via the Add to home screen

1. Press to activate the Home screen.
2. Touch and hold on an empty area of the Home screen.
3. From the **Add to home** window, tap **Shortcuts**.
4. Tap a shortcut from the available list.
5. Follow the on-screen instructions to add the new shortcut to your current Home screen.

Deleting a shortcut

1. Press to activate the Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.

3. Drag the icon over the Remove icon and release it.

   Both items will turn red.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Applications** and **Home** shortcuts.

1. Press to activate the Home screen.
2. Tap to display your current applications.
3. Press and tap **Edit**.
4. If the **Reorganize icons** screen is displayed, tap **Switch**.
5. Read the **Edit applications** information and tap **OK** (this only displays the first time you edit the Applications menu).
6. Scroll through the list and locate your desired application.
7. Touch and hold the on-screen icon, then drag it over the primary shortcut that you want to replace. The new primary shortcut then appears at the bottom of the screen. The old primary shortcut will return to the application menu.
8. Press and tap **Save**.
9. Press to return to the Home screen.

   The new primary shortcut will now appear on all Home screens.

Note: When a primary shortcut is removed, it will then appear as an option in the Application menu.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Applications tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application.

Note: To move a Widget from one screen to another, it must first be deleted from its current screen. Activate the new screen, then add the Widget.

Adding a Widget

1. Press to activate the Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. From the **Add to home** window, tap **Widgets**.

5. Scroll through the available Widgets at the bottom of the screen, then tap it to place it on your current screen.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget over the Remove icon and release it.

   Both items will turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Applications Menu

1. Press to activate the Home screen.
2. Tap to display your current applications.
3. Press and tap **Edit**.
4. If the **Reorganize icons** screen is displayed, tap **Switch**. The view type must be set to **customizable grid**.
5. Read the **Edit applications** information and tap **OK** (this only displays the first time you edit the Applications menu).
6. Scroll through the list and locate the icon you wish to move.
7. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
8. Press and tap **Save**.
9. Press to return to the Home screen.

Deleting Icons from the Applications Menu

1. Press to activate the Home screen.
2. Tap to display your current applications.
3. Press and tap **Edit**.
4. Tap an application that you would like to delete from the Applications menu. It must have a symbol next to it in order to delete it.
5. Tap the icon.
6. At the Delete prompt, tap **Yes**.

   The application is deleted.

Note: If you would like to get an application that you have previously deleted, use the Android Market to download it. For more information, refer to *"Market"* on page 152.

Creating and Managing Folders

Folders are located on any of the seven available Home screens and can contain both files (such as data and images) and Contact information or entries.

To create a folder on-screen follow these steps:

1. Press to activate the Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. From the **Add to home** window, tap **Folders**.
5. Tap an available folder type to place it on your current screen.
   - Choices include New folder, All contacts, Contacts with phone numbers, Received list from Bluetooth, Recent documents, and Starred contacts.

Note: Starred contacts are those Contact entries tagged as very important.

Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. Press to activate the Home screen.
2. Touch and hold on an empty area of the screen.
3. From the **Add to home** window, tap **Wallpapers**.
4. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper.
   - **Wallpaper gallery**: select from many still-life wallpapers.
5. Select a wallpaper and tap **Save** or the **Set wallpaper** icon.

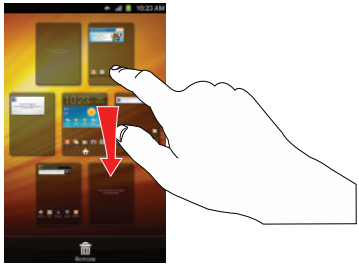
Moving Home Screens

Your phone comes with seven Home screens. You can arrange the screens in any order that you want.

To move a Home screen, follow these steps:

1. Press to activate the Home screen.
2. Press and tap **Edit**.

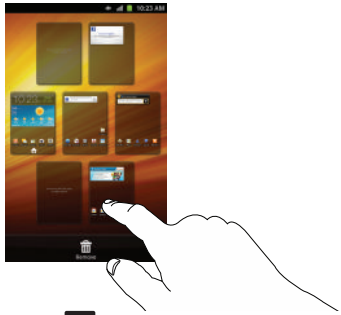
3. Touch and hold the Home screen you want to move.



4. Drag it to the location that you would like to place it.

   In the following example, the Featured Apps Home screen is moved to the last position.

   When you move a Home screen, the other Home screens will be re-ordered automatically.



5. Press Home to return to the main Home screen.

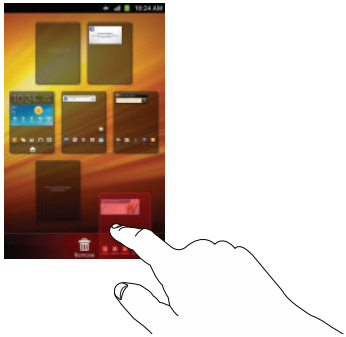
Adding and Deleting Home Screens

You can delete Home screens and then add Home screens later if you want.

To delete a Home screen, follow these steps:

1. Press Home to activate the Home screen.
2. Press Menu and tap **Edit**.
3. Touch and hold the Home screen you want to delete.

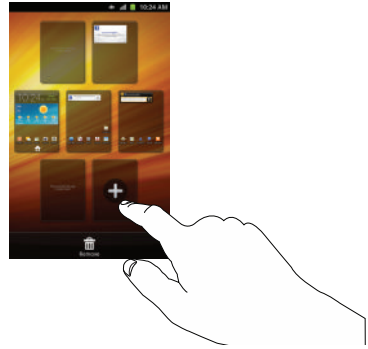
4. Drag the screen over the Remove icon and release it.



5. If there are items on the Home screen that you want to delete, the **Home screen has items. Delete?** prompt is displayed.
6. Tap **Yes** to remove the page, otherwise, tap **No**.
7. Press to return to the main Home screen.

To add a Home screen, follow these steps:

1. Press to activate the Home screen.
2. Press and tap **Edit**.
3. Touch and hold the Home screen that contains and drag it to the new location.



Note: The icon will only be displayed if a Home screen has previously been deleted.

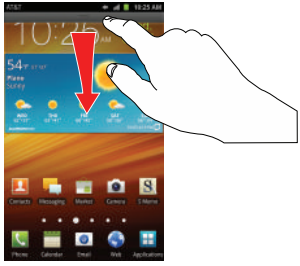
4. Press to return to the main Home screen.

   You can now add items to your new Home screen.

Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

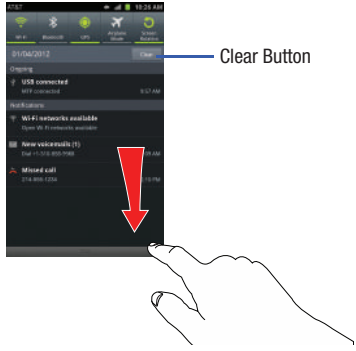
- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



2. Tap the **Clear** button.

   The notifications are cleared and the panel closes.

Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality. The device has a USB SD card mode.

Using the SD Card

There are several methods for using the SD card:

1. Connecting to your PC to store files (such as music, videos, or other types of files and media).
2. To activate the camera, video, music player, and other dependant media or applications.

Important!: The Camera, Audio Postcard, Music Player, and Video functionality is all dependant on a mounted SD card. Your device can support SDHC cards up to 32GB capacity.

SD Card Overview

After mounting an SD card in the device you can use your computer to access and manage the SD card.

Important!: If access to the external SD card is not available, download and install the USB drivers.

Mounting the SD Card

To store photos, music, videos, and other applications. You must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

Important!: You must disable USB storage to mount the SD card.

1. Insert the SD card into the external, SD card slot. For more information, refer to *"Installing and Removing the Memory Card"* on page 6.
2. Your SD card is scanned to see the available information on it.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap → **Settings** → **Storage**.
2. Tap **Unmount SD card**.
3. Tap **OK**.

For more information, refer to *"Installing and Removing the Memory Card"* on page 6.

SD card Available Memory Status

To view the memory allocation for your external SD card:

1. From the Home screen, tap → **Settings** → **Storage**.
2. The available memory displays under the **Total space** and **Available space** headings.

Erasing Files from the SD card

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 39.
1. From the Home screen, tap → **Settings** → **Storage**.
2. Tap **Unmount SD card**.
3. Tap **Format SD card**.
4. At the **Format SD Card** confirmation prompt, tap **Format SD Card**.

Warning!: Performing the next step erases all data stored on the SD card.

5. Tap **Erase everything** to format or press to cancel.

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to *"Call Settings"* on page 104.

Displaying Your Phone Number

▶ Tap → **Settings** → **About phone** → **Status**. Your phone number is displayed in the **My phone number** field.

Making a Call

1. From the Home screen, tap and use the on-screen keypad to enter the number you wish to dial.
2. Tap to make the call.

Note: When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 104.

Making an International Call

1. From the Home screen, tap, then touch and hold 0 +. The **+** character appears.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, tap until the desired numbers have been deleted.
3. Tap to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press to display the dialer sub-menu.
3. Tap **Add 3 sec pause** to add a three-second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than three seconds by entering multiple 3 sec pauses.

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap to make the call.

For more information, refer to *"Adding Pauses to Contact Numbers"* on page 59.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, tap to erase a single character.
  - Press and hold to erase the entire string of numbers.

Ending a Call

- Tap the key.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name also displayed.

1. From the Home screen, tap .
2. Tap **Logs** .

   A list of recent calls is displayed.
3. Tap the desired Contact to enter the **Details** page, then tap to make a call.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. Tap → to display your Contacts List.
2. Press to display the Contacts List sub-menu.
3. Tap **Speed dial setting**.
4. The **Speed dial setting** screen displays showing the numbers 2 through 9. The number 1 is reserved for Voicemail.
5. Tap an unused number and the **Contacts** screen displays.
6. Select a contact to assign to the number. The selected contact number will display in the speed dial number box.
7. To remove a speed dial number or change the order, press to display the Speed Dial sub-menu.
8. Tap **Change order** or **Remove**.
9. To make a call using Speed Dial, tap → **Keypad** and from the Dialer, touch and hold the speed dial number.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 60.

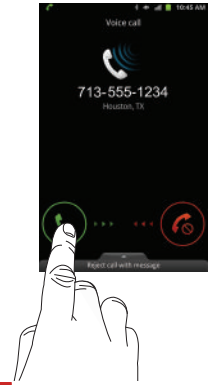
Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book.

1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
   - Touch and slide the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
     - I am driving
     - I am at the cinema
     - I am in class
     - I am in a meeting
     - Sorry, I am busy. Call back later.

   – or –

     - Tap **Create new message** to compose a new message.



2. Tap End call to end the call.

Note: You can answer a call while using the Address Book or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping → **Keypad**. From the main Contacts page or from the Dialer, the following tabs are located at the top of your screen:

- **Keypad**: dials the current number entered using the on-screen keypad.
- **Logs**: displays a list of all dialed, received, and missed calls.
- **Contacts**: takes you to your Address Book where you can select a contact to call.
- **Favorites**: displays your contacts that you have marked as Favorites. Also displays frequently called numbers.
- **Groups**: displays the different groups that are set up on your phone. From this tab you can assign your contacts to default groups or create your own groups.

After you begin to enter numbers, the **Add to Contacts** option appears so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the **Call log**. The Call log displays the details of the call.

1. From the Home screen, tap .
2. Tap **Logs** .

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

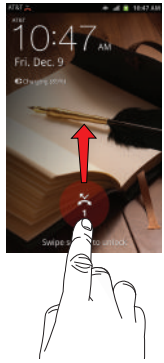
All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:

Viewing Missed Calls from the Home Screen

The number of calls you have missed is displayed on the Home screen.

1. Tap the missed call icon with the number of missed calls on it and move it in any direction.



Note: If there is a voicemail or message sent by the same number, associated icons are displayed and can then be selected.

2. The Call log is displayed. Missed calls are identified by the icon next to the number.

Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, tap → **Logs**.

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

2. Tap the desired missed call. The call detail page is displayed.
3. Tap .

Saving a Recent Call to your Address Book

1. From the Home screen, tap → **Logs**.

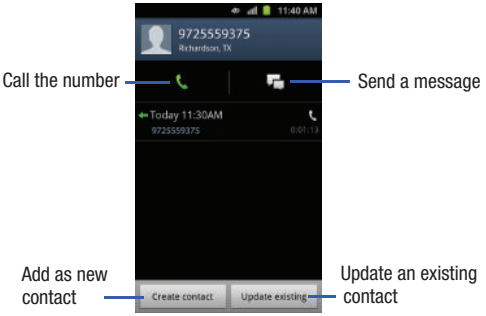
   A list of recent calls is displayed.

2. Tap the call you want to save to your Address Book.
3. The call detail page is displayed. Tap **Create contact** to add the call to your Address Book.

   The Create contact screen is displayed.

   – or –

   If you want to replace the number for an existing contact, tap **Update existing**.



4. Enter information into the various fields using the keypad.
5. Tap **Save** when you are finished.

Note: By default, your contacts are automatically saved to your phone. To change where your contacts are saved to, from the main Contacts screen, press → **More** → **Settings** → **Save new contacts to**. Select **Always ask**, **Phone**, **SIM**, or **Account**.

For further details about the **Address Book** feature, see *"Adding a New Contact"* on page 57.

Sending a Message to a Recent Call

1. From the Home screen, tap → **Logs** .

   A list of recent calls is displayed.
2. Tap the call you want to send a message to.

   The call detail page is displayed.
3. Tap .
4. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.
5. When you are done with your message, tap **Send**.

   For more information, refer to *"Creating and Sending Messages"* on page 87.

Deleting a Call from the Call Log

1. From the Home screen, tap → **Logs** .

   A list of recent calls is displayed.
2. Touch and hold the call you want to delete from the Call log.
3. Tap **Delete**.

   The call is deleted from the Call log.

Adding a Call to the Reject List

1. From the Home screen, tap → **Logs** .

   A list of recent calls is displayed.

2. Touch and hold the call you want to add to the Reject List.
3. Tap **Add to reject list**.

   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, tap .
2. Tap **Logs** .
3. Press to display the Call log sub-menu.
4. Tap **Call duration**.
5. The following times are displayed for Voice:
   - **Last call**: shows the length of time for the last call.
   - **Dialed calls**: shows the total length of time for all calls made.
   - **Received calls**: shows the total length of time for all calls received.
   - **All calls**: shows the total length of time for all calls made and received.
6. You may reset these times to zero by pressing then tapping **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding on-screen button.

- **Hold**: place the current active call on hold.
- **Add call**: displays the dialer so you can call another person.
- **Keypad**: displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call**: terminates the call.

- **Speaker**: routes the phone's audio through either the speaker or through the earpiece.
  - Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line will appear under the Speaker button.
  - Tap **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 50.) The green line will turn grey when Speaker is not activated.
- **Mute**: turn the onboard microphone either on or off.
  - Tap **Mute** during a call to mute the microphone. A green line will appear under the Mute button.
  - Tap **Mute** again to unmute the microphone. The green line will turn grey when Mute is not activated.
- **Headset**: connects to a Bluetooth headset.
  - Tap **Headset** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  - Tap **Headset** again to de-activate the Bluetooth headset. The green line will turn grey when the Headset is not activated.
- Press for more options:
  - **Contacts**: allows you to go to your Contact list.
  - **Memo**: allows you to jot down a memo during a call.
  - **Noise suppression on/off**: allows you to turn on the Noise Suppression feature when you are in a noisy area. Turn it Off when not needed to conserve battery power.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap **Hold** . This action places the current caller on hold (which is displayed on-screen as a greyed-out box).
2. You can later reactivate this call by tapping **Unhold**.

To make a new call while you have a call in progress

1. Tap **Hold** .
2. Tap **Add call** to display the dialer.
3. Enter the new number and tap .

   Once connected, the active call will appear in a large box in the middle of your screen and the call on hold will appear in a small box in the upper right corner of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear in a green box.

2. Tap to end the currently active call.

To end a specific call

1. Tap **Swap** until the call you want to end appears in a green box.
2. Tap to end the specific call.
3. Tap to end the remaining call.

To answer a call while you have a call in progress

1. Touch and drag in any direction to answer another call.

   The first call is automatically put on hold.

2. To switch between the two calls, tap **Swap**.

   - **Swap**: Places the current call on hold and then activates the previous call. The active call will appear in a green box. Tap **Swap** again to switch back.

To end a call on hold

1. Tap to disconnect the active call.
2. The call on hold, will now become the active call. Tap to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold).
Swap places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Touch and drag in any direction to answer the call.
2. Touch and drag in any direction to answer the next call.

   The first call is automatically put on hold.

3. Join the first two callers into a single multi-party call by tapping **Merge**.

4. To temporarily leave the conference call, tap **Hold**.

   To rejoin the conference call tap **Unhold**.

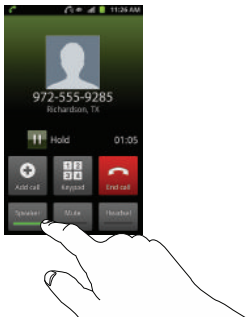
5. Tap to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** .

   The **Speaker** button now appears as and the speakerphone is activated.



2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap **Speaker** .

Important!: For more information, see *"Responsible Listening"* on page 180.

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To mute your phone during a call

1. Tap **Mute** .

   The **Mute** button now appears as and Mute is activated.

2. Tap **Mute** to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap **Headset**

.
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.

   The **Headset** button now appears as

and the Bluetooth headset is activated.
3. Tap **Headset**

to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Address Book

1. During the active call, press then tap **Contacts**
2. Tap the Address Book entry.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 60.

Call Waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you must first activate the Call Waiting feature:

▶ Tap **→ Settings → Call → Additional settings → Call waiting**.

A checkmark will appear in the box when activated. You are notified of an incoming call by a call waiting tone.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

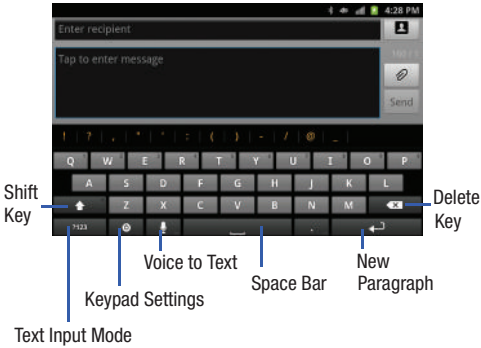
There are three text input methods available:

- **Android keyboard**: an on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Samsung Keypad (default)**: Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Swype**: a new way to enter text on touch screens. Instead of tapping each key, use your finger to trace over each letter of a word.

To change the input method, see *"Select Input Method"* on page 117.

Entering Text Using the Android Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad will display.



Changing the Text Input Mode - Keypad

There are two main keypad layout keys that will change the on-screen keys within the QWERTY keypad.

The available Text Input modes are: **Sym** and **Abc**.

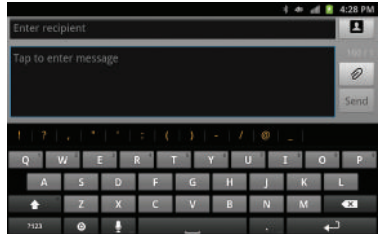
?123 **Symbol/Numeric Mode**: activates the number, symbol, and emoticon keys.

ABC **ABC Mode**: activates the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift ( ) key.

Note: When in **Abc** mode, the **Sym** button will appear. When in **Sym** mode, the **Abc**/**ABC**/**abc** button will appear.

Using Abc Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you tap the **Tap to enter message** field, the following screen displays:

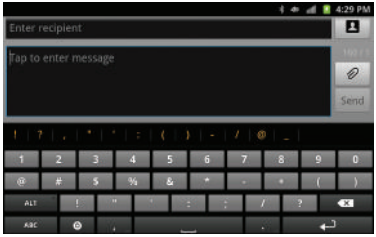


3. Tap the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key ( ) will change to and following letters will be lowercase.
5. Tap to input another upper-case letter or tap twice to switch to ABC mode. The shift key will change to in ABC mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Tap ?123 at the bottom of the screen. The following screen displays:

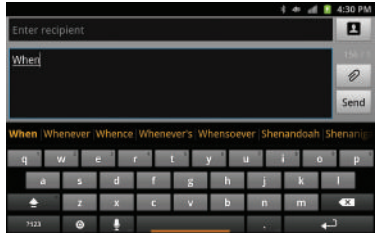


3. Tap the desired number, symbol, or emoticon characters.
4. Tap the ALT button to access additional symbols.
5. Tap ABC to return to Abc mode.

Show Suggestions

By using the Show Suggestions option (on by default), you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

1. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.



2. Continue typing your message. Tap **Send** to send the message or press for more options. For more information, refer to *"Creating and Sending Messages"* on page 87.

Note: You can also use the Show Suggestions option in the portrait orientation.

Setting the Show Suggestions Option

The Show Suggestions option is on by default. To turn if on or off, follow these steps:

1. While composing a message, tap .
2. Tap **Android keyboard settings**.
3. Tap **Show suggestions** to create or delete the checkmark.

Entering Text Using the Samsung Keypad

The Samsung Keypad is an on-screen QWERTY keypad similar to the Android Keyboard with several minor differences.

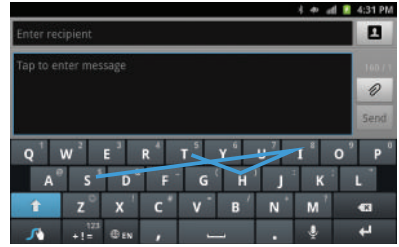
1. From the Home screen, tap → **Settings** → **Language and keyboard** → **Select Input Method**.
2. Tap the **Samsung keypad** option. A green circle will appear.

For information on changing Samsung Keypad settings, see *"Samsung Keypad settings"* on page 118.

Entering Text Using Swype

Swype™ is a text input method that allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a tapping predictive text system.

The following example shows how to enter the word "This". Put your finger down on the "T", and without lifting, glide it to the "h", then to the "i" then over to the "s".



Enabling and Configuring Swype

The Android Keyboard is the default text input method, so to use Swype, you must first change the default keyboard setting.

To enable Swype:

1. While composing a message, touch and hold anywhere on the message screen.
2. Tap **Input method**.
3. Tap the **Swype** option. A green circle should appear next to **Swype**.

Swype Settings

For information on how you can configure your Swype settings, see *"Swype Settings"* on page 117.

Swype Text Entry Tips

You can access the SwypeTips application and watch a video or tutorial on using Swype. You can also use the following Swype text entry tips.

- Create a squiggle (like an S shape) to create a double letter (such as pp in apple).
- Touch and hold a key to view the punctuation menu then make a selection.
- Move your finger or stylus over the apostrophe to enter contractions.
- Double-tap on the word you want to change to correct a misspelled word, then tap the delete key to erase one character. Touch and hold the delete key to erase an entire word.

Using the Voice to Text Feature

You can use your voice to enter text using the Voice to Text feature.

1. From any messaging screen, tap .
2. At the **Speak now** prompt, speak clearly and distinctly into the microphone.
3. **Working...** is displayed while the software is converting your voice to text.
4. The text is displayed in the message.

Note: The feature works best when you break your message down into smaller segments.

Section 5: Contacts and Your Address Book

This section allows you to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group. Y

Note: When storing an Address Book entry into your SIM card, note that only the name, phone number, group, and slot location are initially offered as fields (some SIM cards may allow an address as well). Although you may add additional fields to a SIM entry; if you move that same SIM card to another model phone, it is possible that only the basic information will be transferred.

AT&T Address Book Activation

When you access the AT&T Address Book, the network backup service, contacts are automatically synchronized between your phone and online address book. The changes you make are automatically saved and if you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone.

To activate the AT&T Address Book:

- From the Home screen, tap **Contacts** .

  Your Address Book is displayed.

Note: The main Home screen initially contains the **Contacts** icon. If you delete it, or if you want to access Contacts from another Home screen, you must tap **Applications** ➔ **Contacts** . You can tap ➔ **Contacts** to access Contacts from the Dialer.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Saving a Number from the Home screen

1. From the Home screen, tap **Contacts** ➔ .
2. Tap the image icon and assign a picture to the new entry by choosing one of three options:
   - **Album** to retrieve a previously stored image from your Pictures folder and assign it to this entry. Tap an image to assign the image to the contact, then tap **Save**.
   - **Take photo** to use the camera to take a new picture and assign it to this entry.
   - **S Memo** to use an image from S Memo.
   - **Remove icon** although not an option with a new entry, deletes any previously assigned image on an existing contact.

3. Tap the **Given name** and **Family name** fields and use the on-screen keypad to enter names for each entry. For more information, refer to *"Entering Text"* on page 52.
4. Tap next to the **Family name** field to display additional name fields.
5. Tap the **Phone number** field.

   The numerical keypad is displayed.

   The **Mobile** button Mobile initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, tap the **Mobile** button and select from Mobile, Home, Work, Work fax, Home Fax, Pager, Other, Custom (add your own label), or Callback.
6. Enter the phone number.

   Tap to add another Phone number field or tap to delete a field.
7. Tap the **Internet call** field and use the keypad to enter an internet address.
8. Tap the **Email address** field.

   The keypad is displayed.

   The **Work** button Work initially displays next to the **Email address** field. If you want to add an Email address that is not a Home email address, tap the **Work** button and select from Work, Home, Mobile, Other, or Custom (add your own label).
9. Enter the Email address.

   Tap to add another Email address field or tap to delete a field.
10. Tap the **IM** field.

    The QWERTY keypad is displayed.

    The **Google Talk** button Google Talk initially displays next to the **Instant msg** field. If you want to add an instant message address that is not **Google Talk**, tap the **Google Talk** button and select from Google Talk, AIM, Windows Live, Yahoo!, Skype, QQ, ICQ, Jabber, or Custom (add your own label).
11. Enter the IM address.

    Tap to add another Instant msg address field or tap to delete a field.

12. Tap any of the following fields that you want to add to your new contact:
    - **Groups**: assign the contact to Family, Friends, or Work group.
    - **Ringtone**: adds a field used to assign a message tone that will sound when messages are received from this contact. Choose between Default ringtone, Select sound from My Files, or Phone ringtone.
    - **Postal Address**: adds a field used to assign a physical postal address for this entry.
    - **Organization**: adds an organization field for this entry.
    - **More**: Tap to add the following fields:
      - **Notes**: adds a field that allows you to jot down notes.
      - **Nickname**: adds a field that can be used to enter a nickname for the entry. The Nickname is not displayed when calls are made to or received from the contact.
      - **Website**: adds a field for the contact's Web site URL.
      - **Birthday**: adds a field for the contact's birthday.
      - **Anniversary**: adds a field for the contact's anniversary.
13. Tap **Save** to save the new contact.

Note: By default, your contacts are automatically saved to your phone. To change where your contacts are saved to, from the main Contacts screen, press → **More** → **Settings** → **Save new contacts to**. Select **Always ask**, **Phone**, **SIM**, or **Account**.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to a Contact:

1. From the Home screen, tap **Contacts** , and then tap the name or number to open the Contact.
2. Tap **Edit**.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap ?#+.
6. Tap **Pause** to add a two-second pause or tap **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Tap **Save** to store your changes.

Editing an Existing Contact

When editing an existing contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap **Contacts** . Tap the Contact that you want to edit.
2. Tap **Edit**.
3. Tap to add a new field and tap to delete a field.
4. Tap any of the fields to add, change, or delete information.
5. Tap **Save** to save the edited information.

Using Contacts

Dialing or Messaging from Address Book

Once you have stored phone numbers in the Address Book, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

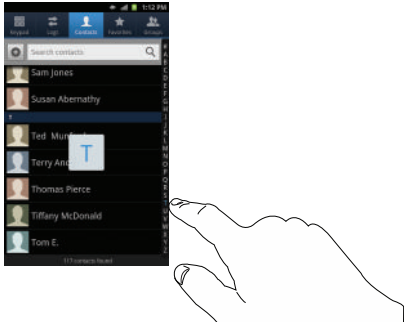
From the Address book, you can also send messages.

Finding an Address Book Entry

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

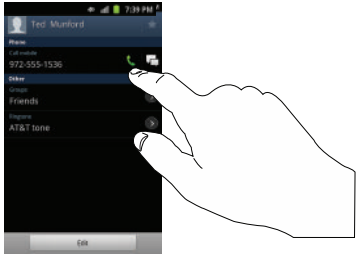
Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list (sorted alphabetically), tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.



3. Tap the contact you wish to call or message.

4. Tap the phone icon to make a phone call or tap the message icon to send a message.



For more information, refer to *"Creating and Sending Messages"* on page 87.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

Joining Contacts

Joining Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can join all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 62.

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the name you want to join to another entry). **Note**: typically this is the same contact with a different name or account information.
3. Press → **Join contact**.

The contact list is displayed.

4. Tap the second contact entry (the entry in which to join). The second contact is now joined with the first and the account information is merged into one screen.

Note: The information is still maintained in both entries, but displays in one record for easier viewing when you join the contacts.

5. Tap the **joined contacts** bar to view the contact information you joined. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Unjoining a Contact

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the account name from which you want to unlink an entry). **Note**: typically this is the same contact with a different name or account information.
3. Tap the **joined contacts** bar.
4. Tap the minus sign next to entry in which you want to unjoin. The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the "default" number or entry.

1. From the Home screen, tap **Contacts** .
2. Tap a Contact name.
3. Press → **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.
4. To change the default contact, tap the radio button next to another entry that you want to be the default. The radio button will turn green, then tap **Save**.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, tap **Contacts** .
2. Press then tap **More** ➔ **Accounts**.
3. Determine which type of account information you want to synchronize with your Contact list. Selections are:
   - **Background data**: (applications that sync, send, and receive data any time).
   - **Auto-sync**: allows applications to automatically synchronize.
4. Tap **Add account**.
5. Tap an account type to add.
6. Follow the on-screen instructions. The selected account type synchronizes with your Contacts list. For more information, refer to *"Synchronizing Accounts"* on page 62.

Address Book Options

You can access Address Book options while at the main Address Book page or while in the details page for a specific entry.

Options in Address Book

1. From the Home screen, tap **Contacts** then press .
2. The following options display:
   - **Delete:** allows you to delete 1 or more of your contacts.
   - **Speed dial setting**: allows you to set up speed-dialing. For more information, refer to *"Making a Call Using Speed Dial"* on page 42.
   - **My profile**: allows you to set up a profile for yourself. The information will be the same that you can add for a new contact. For more information, refer to *"Adding a New Contact"* on page 57.
   - **Merge with Google**: allows you to merge your contacts together with your Google account contacts.
   - **Import/Export**: allows you to move contacts to or from your memory card. You can also send a namecard via Bluetooth, Email, Gmail, or Messaging.
   - **More**: the following additional options are displayed:
     - **View Friends**: allows you to get contacts from your friends on Facebook, LinkedIn, Corporate or Google accounts. Tap Add account and then follow the on-screen instructions.
     - **Accounts**: allows you to add and manage mobile accounts on Facebook, LinkedIn, Corporate or Google accounts. Tap Add account and then follow the on-screen instructions.
     - **Send email**: allows you to send an email using Email, Gmail, or Messaging.
     - **Send message**: allows you to send a text or picture message.
     - **SIM Management**: allows you to copy contacts from your phone to your SIM card or from your SIM card to your phone.

– **Display options**: You can choose to only display contacts that have phone numbers, sort by given name or family name, display contacts by Given name first or Family name first, display contacts stored on your phone, SIM, and/or display contacts stored to other accounts. Tap a selection and tap Done.

– **Settings**: allows you to choose where to save your new contacts, display or edit your service numbers, send contact information by Bluetooth, or sync your phone with the contacts in your online AT&T Address Book.

Options at Selected Contact Screen

1. From the Home screen, tap **Contacts** .
2. Touch and hold a contact.
3. The following options display depending on whether your contact is saved to your phone or your SIM card:
   - **Edit**: allows you to edit the selected contact's information.
   - **Delete**: allows you to delete the contact from your Address Book.
   - **Join contact**: allows you to join contacts with other contacts (only displays when contact is saved to SIM).
   - **Send contact information**: allows you to send a contacts information in a message.
   - **Add to favorites**: allows you to add the contact to your favorites list.
   - **Add to group**: allows you to add the contact to a pre-defined group such as Family, Friends, or Work. see *"Adding an Entry to a Group"* on page 64.
   - **Add to reject list**: allows you to add this contact to your reject list. If they call, the call will be sent directly to voice mail.
   - **Send namecard via**: allows you to send the contact's information via Bluetooth, Email, Gmail, or Messaging.
   - **Print namecard**: allows you to print the contact's namecard to a Samsung printer using Wi-Fi.

Groups

Adding an Entry to a Group

1. From the Home screen, tap **Contacts** .
2. Press and hold the contact name that you want to add to a group.
3. Tap **Add to group**.
4. Tap a group entry.

   The contact is added to the group.

Removing an Entry From a Group

1. From the Home screen, tap **Contacts** → **Groups** .
2. Tap a group entry.
3. Press → **Remove member**.
4. Tap all of the contacts you want to remove from this group.

   A green checkmark will appear next to their name.

5. Tap **Remove**.

   The contacts are now removed from the group.

Creating a New Group

1. From the Home screen, tap **Contacts** → **Groups** → → **Create**.
2. Tap the **Group name** field and use the on-screen keypad to enter a new group name. For more information, refer to *"Entering Text"* on page 52.
3. Tap **Ringtone** to choose an audio file for assignment to this new group. Choose from **Default ringtone**, **Select sound from My Files**, or **Phone ringtone**.
   - Tap a music file to play a short sample and then tap **OK** to complete the assignment.
4. Tap **Add member** to add contacts to the new group.
5. Tap **Save** to store the new Group category.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap **Contacts** → **Groups**.
2. Tap a group entry.
3. Press → **Edit group**.
4. Make modifications to the **Group Name** or **Ringtone** fields.
5. Tap **Add member** to add more contacts to this group.
6. Tap **Save** to save your changes.

Address Book Favorites

Once you have stored phone numbers in the Address Book, you can add them to your Favorites list.

To view your Favorites list:

▶ From the Home screen, tap **Contacts** → **Favorites**.

Adding Favorites to your Address Book

1. From the Home screen, tap **Contacts**.
2. Within the Contacts list, touch and hold a contact that you want to add to your favorites list.
3. Tap **Add to favorites** on the displayed list.
4. A gold star will appear next to the contact in the Address Book.

Removing Favorites from your Address Book

1. From the Home screen, tap **Contacts**.

2. Within the Contacts list, touch and hold a contact that you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
3. Tap **Remove from favorites** on the displayed list.
4. The gold star will no longer appear next to the contact in the Address Book.

Managing Address Book Entries

You can copy, delete, and view the memory status for the Phone and SIM entries on your phone.

Copying an Entry to the SIM Card

Note: When storing an Address Book entry into the SIM card, note that only the name, phone number, group, and slot location are initially offered as fields (some SIM cards may allow an address as well). To save additional information for a particular contact, such as other phone numbers, or e-mail, it is important to add new fields to that Contact information. It is also important to note that if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

1. From the Home screen, tap **Contacts** → → **More** → **SIM Management**.
2. Tap **Copy Contacts to SIM**.

   The phone then displays a list of your current phone contacts.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to the SIM card.
   - Repeat this step for all individual entries you wish copied to the SIM or tap **Select all** to place a checkmark alongside all entries.
4. Tap **Copy**.
5. At the **Copy Successful** display, tap **OK**.

   The selected numbers are copied to the SIM card.

Copying an Entry to the Phone

1. From the Home screen, tap **Contacts** → → **More** → **SIM Management**.
2. Tap **Copy Contacts from SIM**.

   The phone then displays a list of your current contacts stored on your SIM card.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to your phone.
   - Repeat this step for all individual entries you wish copied to your phone or tap **Select all** to place a checkmark alongside all entries.
4. Tap **Copy**.

5. At the **Copy Successful** display, tap **OK**.

   The selected numbers are copied to your phone.

Deleting Address Book Entries

You can delete Phone or SIM entries from your phone's memory.

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to delete.
3. Tap **Delete** on the displayed list.
4. At the **Delete** prompt, tap **OK** to delete the contact or **Cancel** to exit.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Home screen, tap **Contacts** → → **More** → **Settings**.
2. Tap **Service numbers**.
3. Scroll through the available numbers and tap a number to make a call.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Media Hub, Music Player, Music, Movies, Live TV, Qik Lite, Videos, Gallery, Camera, and Camcorder.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining yourself or your kids on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Note: Media Hub usage is based on service availability.

Using Media Hub

1. Sign on to your Google account. For more information, refer to *"Signing into Your Gmail"* on page 94.
2. Tap → **Media Hub**.
3. Read the End-User License Agreement (EULA) and tap **Accept** to continue or **Decline** to exit.

   The Media Hub screen displays.
4. At the Media Hub screen, the following options appear:
   - **What's new**: shows recently added media that you can rent or purchase.
   - **My Media**: allows you to view all of the media that you have purchased or rented. Tap a media entry to view it.
   - **Movie Store**: displays movies that are available for rent or purchase. Scroll through the top navigation bar and select a movie category. The movies of that type will be displayed below.
   - **TV Store**: displays TV shows that are available for purchase. Scroll through the top navigation bar and select a TV category. The TV shows of that type will be displayed below.
5. Scroll through the media listings and tap on an item you would like to purchase or rent.
6. Information concerning the media displays. Tap **WATCH PREVIEW** to watch a short preview or tap **Rent** or **Own**.
7. In order to rent or buy media, you must first create an account. Use the keypad to enter the required information, then tap **Create Account**.

8. Choose a payment method and then follow the on-screen instructions.
9. The media will now be stored in the My Media folder.

Music Player

The Music Player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. Tap → **Music Player** .
2. Read the Music Player tips and tap **Done** when you are finished. Tap the **Do not show again** field if you don't want to see the tips again.
3. Tap a library category at the top of the screen (All, Playlists, Albums, Artists, or Folders) to view the available music files.
4. Scroll through the list of songs and tap an entry to begin playback.
5. The following Music Player controls are available:

Pause the song.

Start the song after being paused.

Press and hold to rewind the song. Tap to go to previous song.

Press and hold to fast-forward the song. Tap to go to next song.

Volume control.

Repeat one: repeats the currently playing song.

Repeat all: replays the current list when the list ends.

Play All: plays the current song list once.

Shuffle On: the current list of songs are randomly shuffled for playback.

Shuffle Off: songs play in order and are not shuffled.

Allows you to listen to music using 5.1 Virtual Surround Sound.

Displays your list of songs.

Note: The 5.1 channel sound effect works in earphone mode only.

Music Player Options

To access additional options, follow these steps:

1. While in the Music Player, press .
2. While playing a song, the follow options are available:
   - **Add to quick list**: adds the current music file to the Quick list.
   - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
   - **Share music via**: allows you to share your music by using AllShare, Bluetooth, Email, Gmail, Messaging, or Wi-Fi.
   - **Add to playlist:** allows you to add the current music file to a selected playlist.
   - **Settings**: allows you to change your music player settings. For more information, refer to *"Music Player Settings"* on page 70.
   - **Details**: allows you to view media info such as Artist, Title, Album, Track Length, Genre, Recording date, etc.
3. Before playing a song, the follow options are available:
   - **Add to playlist:** allows you to add music files to a selected playlist.
   - **Search:** allows you to search your music files using keywords.
   - **Delete:** allows you to delete music files from your phone.
   - **Settings**: allows you to change your music player settings. For more information, refer to *"Music Player Settings"* on page 70.

Music Player Settings

The Music Player Settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From the Home screen, tap → **Music Player** .
2. Press → **Settings**.
3. Select one of the following settings:
   - **Equalizer**: set a type of equalization. Selections are: Auto, Normal, Pop, rock, Jazz, Dance, Classic, Live, or Custom.
   - **Sound effects**: configure the music effects. Selections are: Normal, Wide, Concert Hall, Music clarity, Bass enhancement, or Externalization.
   - **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.
   - **Lyrics**: when activated, the lyrics of the song are displayed if available.
   - **Music auto off**: when activated, music will automatically turn off after a set interval.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap → **Music Player**.
2. Tap the **Playlists** tab.
3. Press → **Create**.
4. Type a name for this playlist in the field and tap **Save**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap → **Music Player**.
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap **Add music**.
5. Tap the music tracks that you would like to add to the playlist, or tap **Select all** to add all the music tracks to this playlist then tap **Add**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap → **Music Player**.
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Press → **Remove**.
5. Tap the checkbox to the right of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap → **Music Player**.
2. Tap **Playlists**.
3. Press → **Edit title**.
4. Tap a playlist name to edit.
5. Enter a new name for the playlist then tap **Save**.

For information on downloading music for your phone, see *"Market"* on page 152.

Music

With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From the Home screen, tap → **Music** .

   Your music is displayed as icons on the screen.

2. Sweep your screen to the left to see all of your music.
3. Touch an icon to play the song.
4. Follow the on-screen instructions.

Movies

The Movies application allows you to rent movies to watch on your phone.

1. From the Home screen, tap → **Settings** → **Applications** → **Unknown sources**.

   You are now allowed to download non-Market applications.

2. From the Home screen, tap → **Movies** .
3. Read the Terms of Service, enter any required information, and tap **OK**.
4. Follow the on-screen instructions to rent movies.

Live TV

Live TV is a subscription service that allows you to watch your favorite TV shows using your handset.

1. Tap → **Live TV** .

Note: The first time you use Live TV, you will need to download the updated application from the Market. When the Market page displays, tap **Update** or **Install** then follow the on-screen instructions. For more information, refer to *"Market"* on page 152.

2. Read the **Terms and Conditions** and tap **Accept** to continue or **Exit** to exit.
3. If you have Wi-Fi activated, tap **Disable Wi-Fi**.
4. The Live TV main page displays. Follow the on-screen instructions to watch TV.

Note: Live TV will use a large amount of data and you are responsible for all data charges. It is strongly recommended that you upgrade to an unlimited data plan in addition to this purchase.

Qik Lite

Qik Lite is a mobile video sharing service that lets you record and share experiences with your friends, family, and your favorite social networks. Your video is automatically saved as you record. You can also use Qik Lite to Video Chat with your friends.

Note: The first time you use Qik Lite, you will need to download the updated application from the Market. When the Market page displays, tap **Update** or **Install** then follow the on-screen instructions. For more information, refer to *"Market"* on page 152.

1. You will need to sign onto a Wi-Fi network first in order to use Qik Lite. For more information, refer to *"Wi-Fi"* on page 130.
2. Tap → **Qik Lite**.
3. The first time you access Qik Lite, tap **Sign up** to create your Qik account and follow the on-screen prompts. The instructions will help you download the app from the Market. Otherwise, tap **Log in**.
4. Tap the **Username** and **Password** fields and enter your information, then tap **Log in**.
5. Select one of the following options and follow the on-screen instructions. For more information, visit http://qik.com/.
   - **Video Chat**: allows you to participate in two-way video chats.
   - **Video Mail**: allows you to send videos by email.
   - **Record & Share**: allows you to record videos and have them instantly uploaded to the web for sharing or safe-keeping.
   - **Video Gallery**: allows you to store your Qik videos in a gallery for easy viewing.

Using Video Chat

To use Video Chat, you and the person you want to Video Chat with must have a Qik Video account and be signed in.

1. Tap → **Qik Lite**.
2. Sign on to your Qik Video account and tap **Video Chat**.
3. At the Video Chat screen, tap **Dialpad**, then enter the phone number or the Qik user name of the person you want to Video Chat with.
4. Tap **Start Video Chat**.

   The phone number you dialed will ring in the usual manner and they must answer the call for the video chat to begin.

Note: If the contact is not a Qik user, you have the option to send them a video mail. Tap Yes to continue, then tap Record new or Browse Gallery.

5. To end the Video Chat, tap **End Chat**.

Videos

The Videos application plays video files stored on your microSD card.

1. Tap → **Videos** .
2. All videos that you have on your memory card will be displayed. Tap the video that you want to play.
3. The video will begin to play.
4. The following video controls are available:

Pause the video.

Start the video after being paused.

Press and hold to rewind the video. Tap to go to previous video.

Press and hold to fast-forward the video. Tap to go to next video.

Volume control.

Original size view. The video will be played in its original size.

Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.

Full-screen view. The entire screen is used, which may cause some minor distortion.

Allows you to listen to music using 5.1 Virtual Surround Sound.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

Note: The 5.1 channel sound effect works in earphone mode only.

For more information on downloading videos for your phone, see *"Market"* on page 152.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

1. Tap → **Gallery** .

All of the Albums that hold your pictures, videos, and screen captures will be displayed with folder name and number of files.

2. Tap an Album and thumbnails of the contents will be displayed.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My Files** or other file management applications and try again. For more information, refer to *"My Files"* on page 155.

Viewing Pictures

1. Tap a thumbnail to view the picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

2. The following options are available:
   - **Send via**: allows you to send the picture via Bluetooth, Email, Gmail, Messaging, or Wi-Fi.
   - **Delete**: allows you to delete the picture. Tap **Confirm deletions** and the picture will be deleted.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Touch and hold a video to select it. A checkmark will appear on the thumbnail.
2. The following options are available:
   - **Send via**: allows you to share the video via Bluetooth, Email, Gmail, Messaging, or Wi-Fi
   - **Delete**: allows you to delete the video. Tap **Confirm deletions** and the video will be deleted.
   - **More**: displays the following additional options:
     - **Share via:** allows you to share a video via Facebook or YouTube.
     - **Play via:** allows you to play a video via AllShare.
     - **Rename:** allows you to rename a video.
     - **Details**: provides details about the picture such as Title, Type, Date taken, name of the Album it is in, Location, Latitude and Longitude (GPS coordinates), Size, Resolution, Duration, and File location.
3. Tap a thumbnail to play the video.

   For video player controls, see *"Videos"* on page 74.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 8 megapixel camera produces photos in JPEG format.

Important!: Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

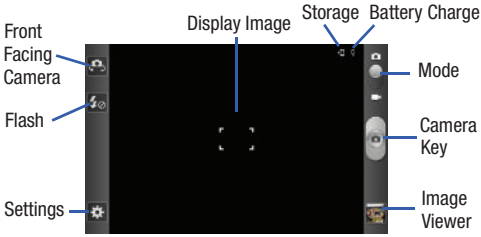
Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. From the main Home screen, tap **Camera** to activate the camera mode.

Note: The main Home screen initially contains the **Camera** icon. If you delete it, or if you want to access the camera from another Home screen, you must tap **Applications** → **Camera** .

2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).
4. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.
5. You can also tap the screen to move the focus to the area you touch.
6. Press the Camera key ( ) until the shutter sounds. (The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone.) For more information, refer to *"Camera Options"* on page 77.

Note: To enable the GPS icon, from the Camera screen tap **Settings** → **GPS tag** → **On**.



7. To view a picture, tap the Image Viewer.
8. While viewing a picture, double-tap the screen to zoom in or out.

   – or –

   Pinch the screen inwards to zoom out or pinch it outwards to zoom in.
9. Press to return to the viewfinder.

Camera Options

Options are represented by icons across both sides of the screen.

Note: The options disappear after a few seconds. Tap the screen to make them reappear.

Camera / Camcorder Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Self portrait: allows you to set the front camera so you can take pictures of yourself or video chat.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Self-portrait: allows you to set the front camera so you can take pictures of yourself or video chat.

Settings (continued):

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode. Options are:

- **Single shot**: takes a single photo and view it before returning to the shooting mode.
- **Smile shot**: the camera focuses on the face of your subject. Once the camera detects the person's smile, it takes the picture.
- **Beauty**: adjusts the contrast to smooth facial features.
- **Panorama**: takes a landscape photo by taking an initial photo and then adding additional images to itself. The guide box lets you view the area where the second part of the panoramic picture should fall within.
- **Share shot**: allows you to send a picture via Wi-Fi after taking it.
- **Action shot**: detects action and creates a panorama of the moving object.
- **Cartoon**: gives your photo a cartoon look.

Scene mode: allows you to set the Scene to help take the best pictures possible. Options include None, Portrait, Landscape, Night, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Fall Color, Firework, Text, Candlelight, and Backlight. Helpful tips are shown for each scene mode at the bottom of the display screen.

Exposure value: allows you to adjust the brightness level by moving the slider.

Focus mode: allows you to set this option to Auto focus, Macro, or Face detection. Use Macro mode to take close-up pictures. Face detection causes the camera to automatically recognize if there is a face in the shot. It then optimizes the focus and exposure the face. Use Auto focus for all others.

Timer: allows you to set a timer for how long to wait before taking a picture. Options include: Off, 2 sec, 5 sec, and 10 sec.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: None, Negative, Grayscale, and Sepia.

Settings (continued):

Resolution: allows you to set the image size to either: 8M (3264x2448), W6.5M (3264x1968), 3.2M (2048x1536), W2.4M (2048x1232), W0.4M (800x480), or 0.3M (640x480).

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

ISO: ISO determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots

Metering: allows you to set how the camera measures or meters the light source: Centre-weighted, Spot, or Matrix.

Anti-Shake: reduces image blur due to the movement of the subject of the photo or hand movement.

Auto contrast: provides a clear image even under backlight circumstances where intensity of illumination can vary excessively.

Blink detection: detects the blinking of human eyes and gives you a warning.

Guidelines: allows you to turn the guidelines On or Off.

Image quality: allows you to set the image quality to: Superfine, Fine, or Normal.

GPS tag: allows you to turn GPS On or Off (also known as Geotagging). The location of where the picture is taken is attached to the picture. (Only available in Camera mode.)

Shutter sound: allows you to set the Shutter sound to On or Off.

Save as flipped: when set to On, this option allows you to take and save a mirror-image picture when using the self portrait camera.

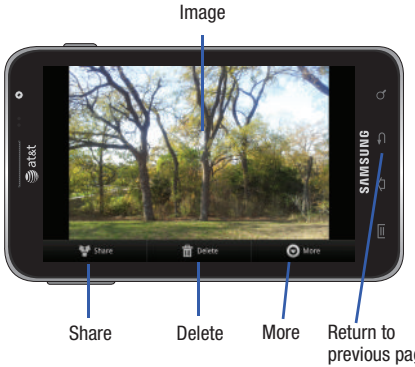
Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected picture. Image viewer options are described in the following section. The last picture you took, will be displayed as a thumbnail in the Image viewer icon.

Picture Image Viewer Options

After you take a photo, you can access various options from the Image Viewer.



Available options are:

- **Share**: offers several ways to share your picture or video. Options are: AllShare, Bluetooth, Email, Facebook, Gmail, Messaging, Photo editor, Picasa, S Memo, Social Hub, and Wi-Fi.
- **Delete**: allows you to delete the current picture. Tap **OK** to delete or **Cancel**.
- **More**: allows you to do the following:
  - **Set as**: allows you to assign the current image as a Contact icon, your Home screen wallpaper, or your Lock screen wallpaper.
  - **Rename**: allows you to rename a picture or video.
- **Return to previous page** ( ): takes you back to the previously active camera page where you can take another photo or shoot a new video.

Accessing Pictures

When you take a picture, the file is saved in the Camera folder. You can view your pictures immediately or view them anytime in the Camera folder.

1. From the Home screen, tap **→My Files** → **DCIM → Camera**.
2. Tap a photo file to open it in the Image viewer.
3. Sweep the screen to the left to see the next picture or to the right to see the previous picture.

Before you select a picture, press in the Camera folder to see the following options:

- **Share**: lets you share selected pictures with AllShare, Bluetooth, Calendar, Email, Facebook, Gmail, Messaging, Photo editor, Picasa, S Memo, Social Hub, Wi-Fi, or YouTube.
- **Create folder**: create a new sub-folder in the current folder. Can be on either the Phone or Memory Card.
- **Delete**: allows you to delete selected pictures. Tap the checkmark, to turn it green, next to any file or folder you want to delete, then tap Delete.
- **View by**: allows you to view the contents of the current folder as a list, as a list and details, or as thumbnails.
- **List by**: allows you to view the contents of the current folder sorted by Time, Type, Name, or Size.
- **More**: provides you with the additional options: Move, Copy, Rename, and Settings.
  - **Move**: allows you to move one or more pictures to a different folder.
  - **Copy**: allows you to copy one or more pictures to a different folder.
  - **Rename**: allows you to rename one or more picture files.
  - **Settings**: lets you set several general folder options:
    - **Show hidden files**: causes files and folders that would normally be hidden to be displayed.
    - **Show file extension**: causes file extensions to be displayed. For example, jpg.
    - **Set Home directory**: allows you to choose and set the Home directory.

Selecting and Using the Pictures

From the Image viewer, you have access to both macro functions (zoom, crop, and rotate) and menu options. For more information, refer to *"Picture Image Viewer Options"* on page 80.

Assigning an Image to an Address Book Entry

1. From the Home screen, tap → **My Files** → **DCIM** → **Camera** → **<image>**.
2. Press → **Set as** → **Contact icon**. Tap a contact entry.
3. Touch and drag the orange crop box anywhere on the picture.
4. Tap **Save**.

   For more information, refer to *"Contacts and Your Address Book"* on page 57.

Assigning an Image as a Wallpaper

1. From the Home screen, tap → **My Files** → **DCIM** → **Camera** → **<image>**.
2. Press → **Set as** → **Home screen wallpaper**.

   – or –

   Press → **Set as** → **Lock screen wallpaper**.

3. Touch and drag the orange crop box anywhere on the picture.
4. Tap **Save** to assign the wallpaper image. Tap **Cancel** to stop without updating the wallpaper image.

Using the Camcorder

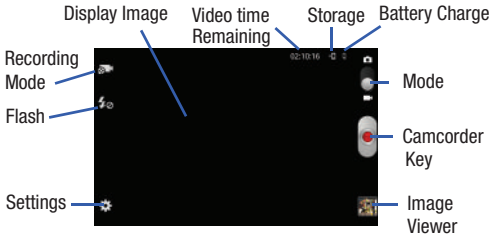
In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the main Home screen, tap **Camera** to activate the camera mode.
2. Tap and slide the Camera mode button down to Camcorder Mode.
3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
4. Tap the Video key ( ) to begin shooting video. The red light will blink while recording.
5. Tap the Video key ( ) again to stop the recording and save the video file to your Camera folder.
6. Once the file has been saved, tap the image viewer, then tap to play your video for review.
7. Press to return to the viewer.



Camcorder Options

Options are represented by icons across both sides of the screen.

Note: The options disappear after a few seconds. Tap the screen to make them reappear.

Camera / Camcorder Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location, Limit for MMS, which is limited by MMS size restrictions, and Self recording which activates the front-facing camera so you can video yourself.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location, Limit for MMS, which is limited by MMS size restrictions, and Self recording which activates the front-facing camera so you can video yourself.

Exposure value: allows you to adjust the brightness level by moving the slider

Timer: allows you to set a timer for how long to wait before taking a video. Options include: Off, 2 sec, 5 sec, and 10 sec.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: None, Negative, Grayscale, and Sepia.

Resolution: allows you to set the image size to either: 1920x1080, 1280x720, 720x480, 640x480, 320x240, or 176x144.

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

Video quality: allows you to set the image quality to: Superfine, Fine, or Normal.

Settings (continued):

Guidelines: allows you to turn the guidelines On or Off.

Save as flipped: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.

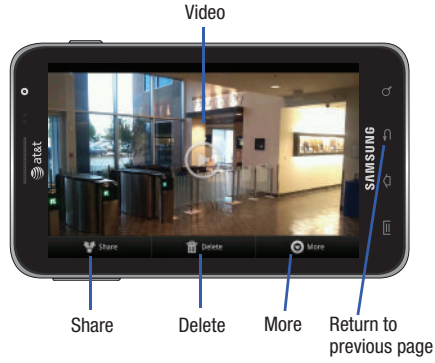
Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected video. Image viewer options are described in the following section. The last video you took, will be displayed as a thumbnail in the Image viewer icon.

Video Image Viewer Options

After you take a photo or shoot a video, you can access various options from the Pictures and Videos Image Viewer.



Available options are:

- **Play** : allows you to play a video
- **Share**: offers several ways to share your picture or video. Options are: AllShare, Bluetooth, Email, Facebook, Gmail, Messaging, Wi-Fi, and YouTube.

- **Delete**: allows you to delete the current picture. Tap **OK** to delete or **Cancel**.
- **More**: allows you to do the following:
  – **Play**: allows you to play a video.
  – **Rename**: allows you to rename a picture or video.
- **Return to previous page** ( ): takes you back to the previously active camera page where you can take another photo or shoot a new video.

Accessing Videos

When you shoot a video, the file is saved in the Camera folder. You can view your videos immediately or view them anytime in the Camera folder.

1. From the Home screen, tap → **My Files** → **DCIM** → **Camera**.
2. Tap a video file to open it in the viewer and initiate playback.
3. To pause the video, tap . To play the video, tap .

Before you select a video to play, press in the Camera folder to see the following options:

- **Share**: lets you share the selected videos with AllShare, Bluetooth, Calendar, Email, Facebook, Gmail, Messaging, Photo editor (pictures only), Picasa (pictures only), S Memo (pictures only), Social Hub, Wi-Fi, or YouTube.
- **Create folder**: create a new sub-folder in the current folder. Can be on either the Phone or Memory Card.
- **Delete**: allows you to delete selected videos. Tap the checkmark, to turn it green, next to any file or folder you want to delete, then tap Delete.
- **View by**: allows you to view the contents of the current folder as a list, as a list and details, or as thumbnails.
- **List by**: allows you to view the contents of the current folder sorted by Time, Type, Name, or Size.
- **More**: provides you with the additional options: Move, Copy, Rename, and Settings.
  – **Move**: allows you to move one or more videos to a different folder.
  – **Copy**: allows you to copy one or more videos to a different folder.
  – **Rename**: allows you to rename one or more video files.
  – **Settings**: lets you set several general folder options:
    - **Show hidden files**: causes files and folders that would normally be hidden to be displayed.
    - **Show file extension**: causes file extensions to be displayed. For example, 3gp.
    - **Set Home Directory**: allows you to choose and set the Home directory.

Once you have selected a video to play, press to display the following options:

- **Share via**: to share the current video by way of AllShare, Messaging, YouTube, Wi-Fi, Bluetooth, Facebook, Gmail, or Email.
- **Video brightness**: allows you to set the screen brightness.
- **Via Bluetooth**: scans for a Bluetooth device on which to play the video.
- **Subtitles**: allows you to see subtitles on shared media if available.
- **Details**: displays file information such as file name, format, resolution, and file size.

While viewing a video, you can also adjust the screen view. Screen view allows you to select Original Size, Full-Screen, or Full-Screen in Ratio to view your video.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

- **Original Size**: () the video will be played in its original size.
- **Full-Screen in Ratio View**: ( ) the video is enlarged as much as possible without becoming distorted.
- **Full-Screen View**: ( ) the entire screen is used, which may cause some minor distortion.
- **Pause/Resume**: tap to pause the video being played. Tap to resume playing.
- **Previous/Next**: tap to jump to the previously played video or tap to jump to the next video file in the Camera folder.
- **Exit**: to return to the videos list, press the key twice.

Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging. You can also use the Messages App to bring your texts, calls, and voicemail messages together into a single conversation thread and you can access your messages from phone or computer.

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- Google Talk
- Messages App

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important!: When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, refer to *"Indicator Icons"* on page 20.

Creating and Sending Messages

1. From the main Home screen, tap **Messaging** → **New message**.

Note: The main Home screen initially contains the **Messaging** icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Applications** → **Messaging**.

2. Tap on the **Enter recipient** field to manually enter a recipient or tap to select a recipient from your Contacts.
3. If you tapped the icon, tap the **Contacts**, **Recent**, **Groups**, or **Favorites** tab. The **Contacts** tab is the default.

4. Tap the desired contact to place a checkmark, then tap **Add**.

   The contact will be placed in the recipient field.

Note: For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

Note: Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

5. Tap the **Tap to enter message** field and use the on-screen keypad to enter a message. For more information, refer to *"Entering Text"* on page 52.
6. Add more recipients by tapping the recipient field.
7. Review your message and tap **Send**.

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Message Options

Options before composing a message

1. From the main Home screen, tap **Messaging** .
2. Before composing a message, press to reveal additional messaging options:
   - **Search**: allows you to search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window and tap .
   - **Settings**: allows you to access Messaging settings. For more information, refer to *"Messaging Settings"* on page 91.
   - **Delete threads**: allows you to delete any message thread. Select the messages to delete and a green checkmark will appear next to the message. Tap **Delete**.

Options while composing a message

1. While composing a message, press to reveal additional messaging options.
   - **Insert smiley**: allows you to add emoticons, such as a happy face to your message.
   - **Add text**: allows you to copy text from your Location, Contacts, S Memo, or Calendar. This is a convenient feature for adding names, phone numbers, events, etc. to your message. For more information, refer to *"Adding Additional Text"* on page 89.
   - **Add slide**: allows you to add a new page to a message.

Adding attachments to a message

To add an attachment to your message tap and select one of the following options:

- **Pictures**: allows you to tap an existing image from your Pictures list to add it to your message.
- **Take picture**: allows you to temporarily exit the message, take a photo with phone's camera, and then add it to your message by tapping **Save**.
- **Videos**: allows you to choose an existing video from the Videos list, then add it to your message.
- **Capture video**: allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.
- **Audio**: allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **OK**.
- **Record audio**: allows you to temporarily exit the message and record an audio clip using the phone's microphone. When you tap **Stop**, the audio is automatically attached to the message.
- **S Memo**: allows you to tap on an existing S Memo, then add it to your message.
- **Calendar**: allows you to tap on an existing Calendar event, then add it to your message by tapping **Add**.
- **Location**: allows you to attach a thumbnail of a map showing your location.
- **Contacts**: allows you to tap on an existing Address Book entry, then add it to your message by tapping **Add**.

Adding Additional Text

You can copy text such as names, phone numbers, and events from your Contacts, Calendar or a Memo.

1. While composing a message, press → **Add text**.
2. At the Add text screen, select one of the following:
   - **Location**: allows you to add an address and the link to the location on Google Maps.
   - **Contacts**: allows you to add the name and phone number of any of your contacts to your message.
   - **S Memo**: allows you to add an entire S Memo to your message.
   - **Calendar**: allows you to add the name, date, and time of a calendar event to your message.
3. Tap the information you want to send. This will place a checkmark next to the item.
4. Tap **Add**.

   The text is added to your message.

Viewing New Received Messages

1. When you receive a new message, the new message icon will appear at the top of your screen.
2. Open the Notification Bar and select the message. For more information, refer to *"Notification Bar"* on page 38.

   – or –

   From the main Home screen, tap **Messaging** then tap the new message to view it.

   The selected message appears in the display.
3. To play a multimedia message, tap ▶.
   - To pause playback of the multimedia message, tap ❚❚.
4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To open a threaded message follow these steps:

1. From the main Home screen, tap **Messaging**.

   Tap the message thread you want to view.
2. Touch and hold the message thread to display the following options:
   - **View contact**: displays the contact's information. This option only displays if the sender is in your Contacts list.
   - **Add to Contacts**: displays the Contacts information screen. This option only displays if the sender is not in your Contacts list.
   - **Delete thread**: displays a confirmation dialog box that when pressed, deletes the entire thread.

Deleting Messages

Deleting a single message

1. From the main Home screen, tap **Messaging**.
2. Tap the message that you want to delete.
3. Once the message screen is displayed, touch and hold the message, then tap **Delete message**.
4. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Deleting multiple messages

1. From the main Home screen, tap **Messaging** .
2. Press → **Delete threads**.
3. Tap each message you want to delete. A checkmark will appear beside each message you select.
4. Tap **Delete**.
5. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** .
2. Tap → **Search**.
3. Use the on-screen keypad to enter a word or phrase to search for.
4. All messages that contain the search string you entered are displayed.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voicemails, and Push messages.

1. From the main Home screen, tap **Messaging** → → **Settings**.
2. The following Messaging settings are available:
   - **Message font size**: allows you to set the size of your message text to Use device font sizes, Huge, Large, Normal, Small, or Tiny.
   - **Background color**: allows you to set the message background to either black or white.
   - **Delete old messages**: deletes old messages when the limit is reached, rather than having them overwritten.
   - **Text message limit**: allows you to set a limit on how many text messages can be in one conversation.
   - **Multimedia message limit**: allows you to set a limit on how many multimedia messages can be in one conversation.
   - **Manage SIM card messages**: allows you to manage the messages that you have stored on your SIM card.
   - **Message Center**: allows you to enter the number of your message center where your messages reside while the system is attempting to deliver them.
   - **Input mode**: allows you to set the input mode for your text messages. Choose between GSM Alphabet, Unicode, or Automatic.

- **Auto-retrieve**: allows the message system to retrieve messages automatically.
- **Creation mode**: allows you to select the creation mode, Free, Restricted, or Warning.
  - **Restricted**: you can only create and submit messages with content belonging to the Core MM Content Domain.
  - **Warning**: the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.
  - **Free**: you may add any content to the message.
- **Push messages**: allows you to receive push messages from the network.
- **CB activation**: allows you to receive Cell Broadcast (CB) messages.
- **Channel configuration**: allows you to set up the channel that you will receive CB messages on.
- **Language**: allows you to select all of the languages that you want to receive CB messages in.
- **Notifications**: allows you to see message notifications on your status bar.
- **Select ringtone**: allows you to set the ringtone for your message notifications.

Using Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

Creating an Email Account

Note: If you want to set up a Corporate email account, see *"Synchronizing a Corporate Email Account"* on page 92.

1. From the Home screen, tap **Email** .

   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Next**.
6. Enter an account name for this email account (optional).
7. Tap **Done**.

Synchronizing a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap **Email** .

   Your accounts screen displays with an Email setup screen displayed.

2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to use this email with Social Hub, tap **Set as premium account** to create a checkmark.
5. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
6. Scroll down and tap **Manual setup**.
7. Tap the **Microsoft Exchange ActiveSync** field.
8. Enter all the Exchange server information, Domain, Username and Password, then tap **Next**.
9. At the prompt tap **OK**.

   The Account options screen is displayed.
10. Enter the desired information in the different fields, then tap **Next**.
11. Enter an Account name for this account (Optional). Wait for the Inbox to synchronize before use.
12. Tap **Done**.
13. Press → **More** → **Account Settings** to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap **Email** .

   Your Email screen displays showing your emails from the active account.
2. Tap the box in the upper left corner of your screen that displays the optional name you assigned to your first email account, for example, Work, Gmail, etc.

   Your Email account screen is displayed.
3. Press → **Add account** then enter the information required to set up another account. For more information, refer to *"Creating an Email Account"* on page 92.

Switching Between Email Accounts

1. From the Home screen, tap **Email** .

   Your Email screen displays showing your emails from the active account.

2. Tap the box in the upper left corner of your screen that displays the optional name you assigned to your first email account, for example, Work, Gmail, etc.

   Your Email account screen is displayed.

3. In the **Accounts** section, tap the Email account you would like to switch to.
4. The new Email account is displayed.

Using Gmail

Gmail is Google's web-based email. When you first setup the phone, Gmail is configured. Depending on the synchronization settings, Gmail is automatically synchronized with your Gmail account.

Signing into Your Gmail

1. From the Home screen, tap → **Gmail**.

Note: You must sign in to your Gmail account in order to access Gmail.

2. Sign in if you have a Google account, or tap **Create an account** and tap **OK**.
3. Follow the on-screen instructions.

   The Inbox loads conversations and email.

Refreshing Gmail

- Press → **Refresh** to send and receive new emails and synchronize your email with the Gmail account.

Creating a Gmail Message

1. From the Gmail Inbox, press → **Compose**.
2. Enter the recipients Email address in the **To** field. Separate multiple recipient email addresses with a comma.
3. Tap and select **Add Cc/Bcc** to add a carbon or blind copy.
4. Enter the subject of this message in the **Subject** field.
5. Tap the **Compose Mail** field and begin composing your message.
6. Tap to send.

Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. the following options are available:
   - **Archive**: archives the selected Email.
   - **Delete**: deletes the Email.

- **Next**: displays the next Email in your inbox.
- **Previous**: displays the previous Email in your inbox.

3. Press to select one of the following additional options:
   - **Change labels**: changes the label on the email or conversation.
   - **Mark unread**: unread messages or threads with unread messages display in boldface text in the Inbox.
   - **Go to inbox**: returns you to your Gmail Inbox.
   - **Mute**: mutes the conversation (Email thread).
   - **Add/Remove star**: click a message's star to add or remove the star (just like clicking flags in Outlook).
   - **More**:
     - **Report spam**: reports the Email message as spam.
     - **Settings**: displays Email settings that you can modify.
     - **Help**: displays the Google.com webpage so you can search the web for help.
     - **Select text**: allows you to copy text to your clipboard.

Google Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

1. From the Home screen, tap → **Talk**.
2. Press **Next** to set up a Google account or to Sign in.
3. Tap **Create** to create a new Google account.

   – or –

   Tap **Sign in** if you have an existing Google account.
4. After entering your user name and password, press the **Down** Navigation key.
5. Tap **Sign in**.
6. Begin using Google Talk.

Note: The Network confirms your login and processes. This could take up to 5 minutes to complete.

Messages App

AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer.

1. From the Home screen, tap → **Messages**.
2. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 10.

Note: The first time you use the Messages app, you will need to download the updated application from the Market. When the Market page displays, tap **Update**. For more information, refer to *"Market"* on page 152.

3. The first time you use Messages, you will need to set up a few things. Tap **Record Greeting** to record a personal greeting, or tap **Skip** if you want to do it later.
4. Follow the on-screen instructions to use the Messages app.

Section 8: Changing Your Settings

This section explains the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

Wireless and Network

Airplane mode

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important!: When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

1. From the Home screen, tap → **Settings** → **Wireless and network**.
2. Tap **Airplane mode**. A check mark displayed next to the feature indicates Airplane mode is active. The Airplane mode icon is displayed at the top of your screen.

Activating Wi-Fi

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Wi-Fi**. A check mark displayed indicates Wi-Fi is active. For more information, refer to *"Wi-Fi"* on page 130.

Network Notification

By default, when Wi-Fi is on, you receive notifications in the Status bar anytime your phone detects an available Wi-Fi network. You can deactivate this feature if you do not want to receive notifications.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Network notification**. A check mark displayed next to the feature indicates Network notification is active.
3. Tap **Network notification** again to remove the checkmark and deactivate this feature.

WPS Button Connection

The WPS (Wi-Fi Protected Setup) button is a standard for easy and secure wireless network set up and connections. To use WPS, the connecting device must support WPS and be compatible with Wi-Fi Protected Access (WPA) security. WPS can automatically set up a random network name and WPA wireless security for wireless Wi-Fi phones, routers, access points, computers, adapters, and other electronic devices.

WPS allows you to push buttons instead of entering a network name and wireless security PIN.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap **WPS button connection**.
3. Press the WPS button on your Wi-Fi access point within 2 minutes.

Auto connect

The Auto connect option allows you to be automatically connected to an AT&T Wi-Fi Hotspot as soon as your phone detects it.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Auto connect** to create a check mark.

   Auto connect is enabled.

Activating Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi Direct settings**.
2. On your phone, at the **Scan for devices** prompt, tap **OK**. Tap the **Do not show again** checkbox if you want to skip this step in the future.
3. Tap **Wi-Fi Direct**. A check mark displayed indicates Wi-Fi Direct is active. For more information, refer to *"Wi-Fi Direct"* on page 132.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

Activating Bluetooth

- From the Home screen, tap → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Bluetooth** to turn it on.

Note: Bluetooth must be enabled prior to use.

Device Name

1. Activate Bluetooth. For more information, refer to *"Turning Bluetooth On and Off"* on page 133.
2. From the Home screen, tap → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Device name**. The assigned device name displays.
3. Press to erase the current device name and enter a new name for this device using the keyboard.
4. Press **OK** to confirm your setting.

Visible

- From the Home screen, tap → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Visible**. The phone is now activated for discovery for 119 seconds so you can pair with another device. After 119 seconds the phone becomes invisible again.

Visible time-out

Visible time-out option allows you to make your device visible for a certain time limit and become invisible. This option can only be accessed when your device is set to Visible.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Visible time-out**.
2. Tap **2 minutes**, **5 minutes**, **1 hour**, or **Never**.

Scan for Devices

This option allows you to scan for active Bluetooth devices so you can pair with them.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Bluetooth settings** and tap **Scan for devices**. Your phone begins scanning and lists any discovered devices in the Bluetooth devices section.
2. Tap a device name to pair with the device.

Important!: Some Bluetooth devices are secured and require a PIN number to confirm and pair with them.

3. Enter a PIN to pair with the device, if one is required, and tap **OK**.

USB utilities

This option allows you to copy files between your PC and the memory card in your phone.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **USB utilities**.
2. On your phone, tap **Connect storage to PC**.
3. Connect a USB cable from your phone to your PC.
4. A pop-up window displays on the PC when connected. Tap **Connect USB storage**.

   Your phone will appear on your PC as a removable disk.
5. Open the folder to view files.
6. Copy files between your PC and your memory card.
7. To exit, tap **Disconnect storage from PC**.

Tethering & portable hotspot

This option allows you to share your phones's mobile data connection via USB or as a portable Wi-Fi hotspot.

Tethering

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Tethering and portable hotspots**.
2. Tap **USB tethering** to add a checkmark and activate the feature. The USB tethering icon is displayed at the top of your screen.

Portable Wi-Fi hotspot

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Tethering and portable hotspots**.
2. Tap **Portable Wi-Fi hotspot settings**.
3. Read the introduction and tap **OK**.
4. Tap **Portable Wi-Fi hotspot** to add a checkmark and activate the feature. The Portable Wi-Fi hotspot icon is displayed at the top of your screen.
5. Tap **Configure portable Wi-Fi hotspot**.
6. Enter or edit the Network SSID, Security setting and Password and tap **Save**.
7. Tap **Hide my device** to create a checkmark if you want your device hidden.

Connecting to Portable Wi-Fi hotspot from other devices

1. Activate Wi-Fi on the device that wants to connect to your phone.

2. Find **[Galaxy Note_xxxx]** in the Wi-Fi network list and connect to it (xxxx are four numbers that are automatically generated by your phone).

   The connected device can now use internet through your Portable Wi-Fi hotspot.

Note: Activating Wi-Fi and connecting to your phone will be different depending on the type of device.

VPN settings

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Important!: Before you can use a VPN you must establish and configure one.

Adding a VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. From the Home screen, tap → **Settings** → **Wireless and network** → **VPN settings**.
2. Tap **Add VPN**.

To establish a PPTP (Point-to-Point Tunneling Protocol):

1. Tap **Add PPTP VPN**.
2. Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
3. Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
4. Tap **Enable Encryption** to make a checkmark (if desired).
5. Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

To establish a L2TP (Layer 2 Tunneling Protocol):

1. Tap **Add L2TP VPN**.
2. Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
3. Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
4. Tap **Enable L2TP secret** to make a checkmark (if desired).
5. Tap **Set L2TP secret** and enter a password (if desired), then tap **OK**.

6. Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

To establish a L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec):

1. Tap **Add L2TP/IPSec PSK VPN**.
2. Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
3. Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
4. Tap **Set IPsec pre-shared key**, enter a key and tap **OK**.
5. Tap **Enable L2TP secret** to make a checkmark (if desired).
6. Tap **Set L2TP secret** and enter a password (if desired), then tap **OK**.
7. Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

To establish a L2TP/IPSec CRT (Certificate based L2TP/IPSec):

1. Tap **Add L2TP/IPSec CRT VPN**.
2. Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
3. Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
4. Tap **Enable L2TP secret** to make a checkmark (if desired).
5. Tap **Set L2TP secret** and enter a password (if desired), then tap **OK**.
6. Tap **Set user certificate**, then tap **OK**.
7. Tap **Set CA certificate**, then tap **OK**.
8. Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

- From the Home screen, tap → **Settings** → **Wireless and network** → **Mobile networks**.

The following options display:

Use Packet Data

To activate the data network, this option must be selected. It is set on by default.

1. From the Home screen, tap → **Settings** → **Wireless**

and network → Mobile networks.

2. Tap **Use packet data** to create a checkmark and activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap **→ Settings → Wireless and network → Mobile networks**.
2. Tap **Data roaming** to create a checkmark and activate the feature.

Access Point Names

To use Wi-Fi you need access to a wireless access point (hotspot).

▶ From the Home screen, tap **→ Settings → Wireless and network → Mobile networks → Access Point Names**.

A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From the Home screen, tap **→ Settings → Wireless and network → Mobile networks**.
2. Tap **Network operators**.

   The current network connection displays at the bottom of the list.

Important!: You must deactivate data service prior to searching for an available network.

3. Tap **Search networks** to manually search for a network.
4. Tap **Select automatically** to automatically select a network connection.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default setup options

Your phone default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Mobile networks**.
2. Tap **Network operators**.
3. Tap **Default setup**.
4. Tap **Manual** to locate and connect to a network manually, or tap **Automatic** to allow the device to automatically select a network.

Call Settings

To access the Call settings menu:

1. From the Home screen, tap → **Settings** → **Call**.
2. Tap one of the following options:

Call rejection

1. From the Call Settings menu, tap **Call rejection**.
2. Tap **Auto reject mode** to enable your phone to reject calls.
3. Select **Off**, **All numbers**, or **Auto reject numbers**.
4. Tap **Auto reject list**.
5. Tap to manually add numbers to the Reject list.
6. Tap **Unknown**, to create a checkmark and automatically reject all unknown calls.

Set reject messages

1. From the Call Settings menu, tap **Set reject messages**.
2. Tap to manually add a reject message.

   – or –

   Tap one of the pre-written messages to be displayed when you want the call to be rejected.
3. Tap **Save**.

Call alert

1. From the Call Settings menu, tap **Call alert**.
2. Tap **Answer vibration** to enable your phone to vibrate when the called party answers the phone.
3. Tap **Call status tones** to set the sound settings during a call then tap **OK**.
4. Tap **Alerts on call** to set the alert type.

Call answering/ending

1. From the Call Settings menu, tap **Call answering/ending**.
2. The following options are available:
   - **Answering key**: Tap this option to be able to accept incoming calls by pressing the Home key.

- **Automatic answering**: Tap this option if you are using a headset and want the call to be automatically answered. Select the time interval before the call is automatically answered.
- **The Power key ends calls**: This option will allow you to end a call by pressing the power key without turning off the screen.

Turn on proximity sensor

▶ From the Call Settings menu, tap **Turn on proximity sensor**.

When you answer a call, the screen will be turned off to save power.

TTY Mode

This menu is used to activate or deactivate TTY Mode for this device.

1. From the Call Settings menu, tap **TTY mode**.
2. Tap **Full TTY**. A green checkmark will appear. Tap **TTY mode off** to turn it off.

Call forwarding

1. From the Call Settings menu, tap **Call forwarding**.
2. Tap one of the following options:
   - **Always forward**: allows you to forward all voice calls.
   - **Forward when busy** allows you to forward voice calls to a designated number instead of your Voicemail number if you are on another phone call.
   - **Forward when unanswered**: allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
   - **Forward when unreachable**: allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Additional settings

1. From the Call Settings menu, tap **Additional settings**.
2. Tap one of the following options:
   - **Caller ID**: allows you to choose how your Caller ID will be displayed. Select Network Default, Hide number, or Show number.
   - **Call waiting**: the network service informs you when someone is trying to reach you during another call. Tap to activate.
   - **Auto redial**: automatically redials the last number if the call was either cut off or was unable to connect. Tap to activate.
   - **Noise suppression**: Your phone is equipped with an advanced voice processing chip that delivers clear mobile calls by suppressing background noise, intermittent sounds (like a siren or nearby conversation), and echoes, allowing you to hear and be heard nearly anywhere. Tap to activate.

- **Fixed Dialing Numbers**: allows you to restrict outgoing calls to a limited set of phone numbers.

Using Fixed Dialing Numbers

Enabling FDN

1. From the Call Settings menu, tap **Additional settings** ➔ **Fixed Dialing Numbers**.
2. Tap **Enable FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**.

   FDN is enabled.
4. To enable FDN after it has been disabled, tap **Disable FDN**, enter your PIN2 code and tap **OK**.

Important!: Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.

The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the Call Settings menu, tap **Additional settings** ➔ **Fixed Dialing Numbers**.
2. Tap **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

Note: Before you can manage an FDN list a list must be created.

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1. From the Call Settings menu, tap **Additional settings** ➔ **Fixed Dialing Numbers**.
2. Tap **FDN list**.
3. A list of all existing FDN numbers will be displayed.

Voicemail Service

1. From the Call Settings menu, tap **Voicemail Service**.

   Voicemail service provided by your carrier is the default.
2. Tap **My carrier** to remove the carrier Voicemail service.

Voicemail

You can view or modify your voicemail number from this menu.

1. From the Call Settings menu, tap **Voicemail**.

2. Tap the **Voicemail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.
3. Tap **OK**.

Sound Settings

From this menu you can control the sounds on the phone.

▶ From the Home screen, tap → **Settings** → **Sound**.

The following options display:

Silent mode

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example. In Silent Mode the speaker is muted and the phone only vibrates to notify you of incoming calls, or other functions that normally have a defined tone or sound as an alert.

1. From the Home screen, tap → **Settings** → **Sound**.
2. Tap **Silent mode**.

   – or –

   From the Home screen, press the **Lock** key until **Phone options** displays.
3. Tap **Silent mode** to activate or deactivate this mode (the current mode displays).

Vibration

Vibration mode allows your phone to vibrate instead of a producing a tone.

1. From the Home screen, tap → **Settings** → **Sound** → **Vibration**.
2. Tap **Always**, **Never**, **Only in silent mode**, **or Only when not in silent mode**.

Volume

The Volume option allows you to change the volume for all phone sounds in one easy location.

1. Touch and drag the slider to adjust the sound volume for Incoming calls, Media, System, and Notification.
2. Tap **OK**.

Vibration Intensity

Set the intensity of vibration for Incoming call, Notification, and Haptic feedback.

1. From the Home screen, tap → **Settings** → **Sound** → **Vibration intensity**.

2. Touch one of the three vibration intensity options and drag the slider to set.
3. Touch **OK** to save your setting.

Phone ringtone

This option allows you to set the ringtone.

1. From the Home screen, tap → **Settings** → **Sound**.
2. Tap **Phone ringtone**.
3. Tap a ringtone and tap **OK**.

Notification ringtone

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the Home screen, tap → **Settings** → **Sound**.
2. Tap **Notification ringtone**.
3. Tap a ringtone and tap **OK**.

Audible Tone Settings

The Audible touch tones and Audible selection options are used when you use the dialing pad, make a screen selection, or lock your screen. Each time you press a key, make a selection, or lock your phone, the selected tone sounds.

1. From the Home screen, tap → **Settings** → **Sound**.
2. Tap **Audible touch tones**, **Audible selection**, or **Screen lock sounds**. A check mark displayed next to these features indicates active status.

Haptic feedback

Instead of sounding a tone, the Haptic feedback option vibrates when you press soft keys on certain screens. You can also set the intensity of the vibration using the Vibration intensity setting.

1. From the Home screen, tap → **Settings** → **Sound**.
2. Tap **Haptic feedback**. A check mark displayed next to the feature indicates Haptic feedback is active.

Display Settings

In this menu, you can change various settings for the display such as the font, orientation, pop-up notifications, puzzle lock feature, animation, brightness, screen timeout, power saving mode, and tv out settings.

▶ From the Home screen, tap → **Settings** → **Display**.

The following options display:

- **Screen display**: allows you to set the Font style, the Home screen and Lock screen Wallpaper, Clock, Weather, Weather settings, and Clock and weather position.

- **Brightness**: configures the LCD Brightness levels. Tap Automatic brightness to allow the phone to self-adjust and tap OK.
- **Auto-rotate screen**: allows you to switch the display orientation automatically when you rotate the phone.
- **Animation**: determines whether some or all of the window elements animate. Selections are: No animations, Some animations, and All animations.
- **Screen time-out**: adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes, and 10 minutes.
- **Touch key light duration**: allows you to set the time that the touch keys located on the bottom of your phone are lit.
- **Auto adjust screen power**: allows you to save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.
- **Gyroscope calibration**: allows you to calibrate the gyro sensors. Place your device on a level surface and tap **Calibrate**.

Power Saving

Power Saving allows you to manage your phone to conserve power.

1. From the Home screen, tap ➔ **Settings** ➔ **Power saving**.
2. The following options are available:

- **System power saving**: uses the default power settings. Settings will be enabled immediately when this option is selected.
- **Custom power saving**: allows you to customize your power settings. Settings will be enabled immediately when this option is selected.
- **Custom power saving settings**: allows you to customize your power settings. After selecting Custom power saving the following options are enabled after you tap **Custom power saving settings**.
  - **Power saving on at**: allows you to set the percentage of battery power remaining that Power saving will begin. Choose between 10%-50%.
  - **Turn off Wi-Fi**: automatically turns off Wi-Fi when you are not connected with Mobile AP.
  - **Turn off Bluetooth**: automatically turns off Bluetooth when it is not in use.
  - **Turn off GPS**: automatically turns off GPS when it is not in use.
  - **Turn off Sync**: automatically turns off Sync when the phone is not synchronizing with the server.
  - **Brightness**: allows you to manually adjust the brightness of the screen. Tap this option to enable the next Brightness option.
  - **Brightness**: allows you to set the Brightness percentage of the screen.
  - **Screen time-out**: allows you to set the time before the screen times out and goes into lock mode.
- **Learn about power saving**: describes various ways to conserve battery power.

Location and Security

The Location and Security settings allow you to set up how the phone will determine your location and the security settings for your phone.

Use Wireless Networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Use wireless networks option or enable the GPS satellites.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Use wireless networks** to enable location information using the wireless network.

Use GPS satellites

This option allows you to locate locations accurately to street level. To conserve power, deselect this option when not in use.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Use GPS satellites** to enable the GPS satellite.

Use sensor aiding

This options enhances the positioning capabilities of your phone and conserves power using sensors.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Use sensor aiding** to enable the positioning sensors.

Set screen lock

Creating a screen unlock pattern increases security on the phone.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Set screen lock** and select one of the following options:
   - **None**: disables screen unlock security.
   - **Pattern**: requires that you draw a pattern on the screen to unlock it. Follow the on-screen instructions.
   - **PIN**: requires that you enter a numeric PIN number to unlock the screen. Enter a PIN number, confirm it, then tap OK.
   - **Password**: requires that you enter a password to unlock the screen. Enter a password, confirm it, then tap OK. Password must contain at least one letter.

Note: Once you have set the screen lock option, the **Set screen lock** option changes to **Change screen lock**.

Disable USB debugging mode

1. From the Home screen, tap → **Settings** → **Location**

and security.

2. Tap the **Disable USB debugging mode** checkbox to create a checkmark. This is necessary when device encryption is enabled.

Set up SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

4. Tap **Change SIM PIN**.
5. Enter your old SIM PIN code and tap **OK**.
6. Enter your new SIM PIN code and tap **OK**.
7. Re-type your new SIM PIN code and tap **OK**.

Visible passwords

When you create a phone password you can also configure the phone to display the password as you type it instead of using an asterisk (*).

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Visible passwords** to create a checkmark and activate this feature.

Set up/Change password

Use this option to set up your password when one is first required or change your current password.

1. From the Home screen, tap → **Settings** → **Location and security** → **Set up/Change password**.
2. Enter a new password and tap **Confirm**.
3. Enter the new password again and tap **Confirm**.

Select device administrators

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen).

These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Select device administrators**.
3. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Android Market.

Credential storage

This option allows certain applications to access secure certificates and other credentials. Certificates and credentials can be installed to the SD card and password protected.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Use secure credentials** to activate this feature. A check mark displayed next to the feature indicates secure credentials is active.
3. Tap **Install from USB storage** to install encrypted certificates from USB storage.
4. Tap **Set password** to set or change the credential storage password.
5. Tap **Clear storage** to clear the storage (SD card or phone memory) of all contents and reset the credentials password.

Applications

This device can be used for Android development. You can write applications in the SDK and install them on this device, then run the applications using the hardware, system, and network. This feature allows you to configure the device for development.

Warning!: Android Dev Phone 1 devices are not intended for non-developer end-users. Because the device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Unknown sources

This feature allows you to download and install non-Market applications.

1. From the Home screen, tap → **Settings** → **Applications**.
2. Tap **Unknown sources**.

   A check mark is displayed to indicate it is active.

Manage Applications

This feature allows you to manage installed applications. You can view and control currently running services, or use the device for application development. Using the Samsung Apps option the device notifies you when you are using Wi-Fi or Packet data for Samsung applications.

You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your phone and clear the data, cache, or defaults.

▶ From the Home screen, tap → **Settings** → **Applications** → **Manage applications**.

Clearing application cache and data

Important!: You must have downloaded applications installed to use this feature.

1. From the Home screen, tap → **Settings** → **Applications** → **Manage applications**.
2. Tap an application in which to clear the cache or data.
3. Tap **Clear data** or **Clear Cache**.

Uninstalling third-party applications

Important!: You must have downloaded applications installed to use this feature.

1. From the Home screen, tap → **Settings** → **Applications** → **Manage applications**.
2. Tap the application you want to uninstall and tap **Uninstall**.
3. At the prompt, tap **OK** to uninstall the application.
4. At the **Uninstall finished** prompt, tap **OK**.

Running services

The Running services option allows you to view and control currently running services such as DataService, Google Talk, SNS (messaging), Swype, and more.

To stop a service from running on your phone:

1. From the Home screen, tap ➔ **Settings** ➔ **Applications** ➔ **Running services**.
2. Tap a service.
3. Tap **Stop** to stop the service from running on your phone.

Storage usage

The Storage usage option allows you to view the memory usage for your applications.

1. From the Home screen, tap ➔ **Settings** ➔ **Applications** ➔ **Storage usage**.

   The Memory usage for the different applications that are present on your phone are displayed.
2. Tap the **Running** tab to see the memory usage for applications that are presently running.
3. Tap the **Downloaded** tab to see the memory usage for Downloaded applications.
4. Tap the **On SD card** tab to see the memory usage for applications that are stored on your SD card.

Battery usage

The Battery usage option allows you to view the battery usage of the applications and features on your phone.

1. From the Home screen, tap ➔ **Settings** ➔ **Applications** ➔ **Battery usage**.
2. Press ➔ **Refresh** to refresh the display.

Development

- From the Home screen, tap ➔ **Settings** ➔ **Applications** ➔ **Development**.

Important!: These features are used for development purposes only.

USB debugging

This feature is used for development purposes only.

Allow mock locations

This feature is used for development purposes only.

If you are a developer who is testing a GPS applications using this device, you can tell the device that the phone is at different

GPS locations. In other words, the phone is allowed to "mock" the coordinates.

Accounts and Synchronization

1. Sign in to your Google account.
2. From the Home screen, tap → **Settings** → **Accounts and sync**.
3. From the General sync settings section, tap one of the following options:
   - **Background data**: allows your phone to use data in the background.
   - **Auto-sync**: automatically synchronizes your data with the phone.
4. From the **Manage accounts** section, tap on an open account to set the account settings or tap on **Add account** to add a new account.

Motion

The Motion settings allow you to set up various Motion activation services.

1. From the Home screen, tap → **Settings** → **Motion**.
2. Tap **Motion activation** to activate the feature. A checkmark is displayed.
3. The following options are available:
   - **Tilt to zoom**: allows you to use the Tilt feature to reduce or enlarge the screen when in Gallery or Browser. Tap **Tilt** to create a checkmark then tap **Sensitivity**, then set the sensitivity using the slider. Tap **Learn about tilt** for more information.
   - **Pan to edit**: allows you to use the Panning feature to move icons from one page to another in Home and Application edit mode. Tap **Panning** to create a checkmark, then tap **Sensitivity**, then set the sensitivity using the slider. Tap **Learn about panning** for more information.
   - **Shake to update**: allows you to use the Shake feature to scan for Bluetooth devices.Tap **Shake** to create a checkmark. Tap **Learn about shake** for more information.
   - **Turn over to mute**: allows you to mute incoming calls and sounds by turning your phone over. Tap **Turn over** to create a checkmark and activate. Tap **Learn about turn over** for more information.

Privacy

The Privacy settings allow you to backup your data, perform an automatic restore of your backed up data and settings, and reset the phone to the factory default settings.

▶ From the Home screen, tap → **Settings** → **Privacy**.

Back up my data

By setting this option, the Google server will back up all of your settings and data.

1. From the Home screen, tap → **Settings** → **Privacy**.

2. Tap **Back up my data**.

   A green checkmark will appear.

Automatic restore

By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

1. From the Home screen, tap → **Settings** → **Privacy**.
2. Tap **Automatic restore**.

   A green checkmark will appear.

Factory data reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From the Home screen, tap → **Settings** → **Privacy**.
2. Tap **Factory data reset**.
3. If you want to erase all data on your USB storage, such as music and photos, tap the **Format USB storage** checkbox to create a green checkmark.
4. Tap **Reset phone**.
5. At the confirmation screen, tap **Erase everything**.

   The phone resets to the factory default settings automatically and when finished, displays the Home screen.

Warning!: Performing a Factory data reset will erase all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, bundled applications, and external SD card files such as music and photos unless you check the **Format USB storage** checkbox.

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

For more information about mounting or unmounting the SD card, see *"Memory Card"* on page 39.

- From the Home screen, tap → **Settings** → **Storage**.

SD card

The available memory displays under the **Total space** and **Available space** headings for your SD card.

1. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting.

2. Touch **Format SD card** to erase the memory card and prepare it for use with your phone.

USB storage

The available memory displays under the **Total space** and **Available space** headings for your USB storage.

- Tap **Format USB storage** to erase all data on the phone's USB storage such as music and photos.

System memory

The available memory displays under the **Available space** heading for your System memory.

Language and keyboard

This setting allows you to configure the language in which to display the menus. You can also set on-screen keyboard options.

- From the Home screen, tap → **Settings** → **Language and keyboard**.

Select language

To set the language that the menus display on the phone:

1. From the Home screen, tap → **Settings** → **Language and keyboard** → **Select language**.
2. Tap on a language from the list.

Select Input Method

There are three input methods available: Swype, Android keyboard, and Samsung keypad. Samsung keypad is the default text input method.

1. From the Home screen, tap → **Settings** → **Language and keyboard** → **Select Input Method**.
2. Select either Android keyboard, Samsung keypad, or Swype.

Swype Settings

To configure Swype settings:

1. From the Home screen, tap → **Settings** → **Language and keyboard** → **Swype**.
2. Tap one of the following Swype settings to activate the setting:
   - **Select Input Method**: allows you to switch between different keyboard types.
   - **How to Swype**: provides tips on how to learn to use Swype.
   - **Personal dictionary**: Allows you to setup and manage your own dictionary.
   - **Preferences**: Allows you to view and modify the following Swype options:

– **Audio feedback**: When enabled, plays sounds as you enter text.
– **Vibrate on keypress**: check this field to have the phone vibrate each time you touch a key on the keyboard.
– **Show tips**: When enabled, the device displays helpful tips.
– **Auto-spacing**: When enabled, inserts spaces automatically when you pause entering text.
– **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
– **Show complete trace**: When enabled, briefly display the Swype trace.
– **Word suggestion**: When enabled, suggests possible matching words as you enter text.
– **Speed vs. accuracy**: Send the sensitivity of Swype text recognition.
– **Reset Swype's dictionary**: Deletes all of the words you have added and loads the default dictionary.
– **Version**: View the current Swype software version.

- **Language Options**: Allows you to set the language that you will be using.

Android Keyboard settings

From this menu you can set Android keyboard options.

1. From the Home screen, tap → **Settings** → **Language and keyboard** → **Android keyboard**.
2. The following options are available:

- **Vibrate on keypress**: check this field to have the phone vibrate each time you touch a key on the keyboard.
- **Sound on keypress**: check this field to play a sound each time you touch a key on the keyboard.
- **Popup on keypress**: check this field to show a small popup of each character that you type.
- **Touch to correct words**: check this field to touch and highlight words that you want to correct.
- **Auto-capitalization**: check this field to have the keyboard automatically capitalize the first letter of the first word after a period, the first word in a text field, and all words in name fields.
- **Show settings key**: allows you to select how the settings key will be displayed.
- **Voice input**: check this field to be able to enter text in a message by talking.
- **Input languages**: tap on a language that you want to input.
- **Quick fixes**: check this field to automatically correct some common misspellings as you type.
- **Show suggestions**: check this field to show suggested words in a field above the keyboard as you type.
- **Auto-complete**: check this field to automatically enter a suggested word, shown in orange in the field above the keyboard, when you enter a space or punctuation.

Samsung Keypad settings

From this menu you can set Samsung keypad options.

1. From the Home screen, tap → **Settings** → **Language**

and keyboard → Samsung keypad.

2. Tap **Portrait keypad types** and select a text input method:
   - Qwerty Keypad
   - 3x4 Keypad
3. Tap **Input language** then tap one of the languages.
4. Tap **Pen detection** to display the handwriting pad whenever the S Pen is detected.
5. To use XT9 Predictive text method, tap **XT9**.
6. If you are using XT9 Predictive text method, tap **XT9 advanced settings**. For more information, refer to *"XT9 Advanced Settings"* on page 119.
7. Tap **Keypad sweeping** to be able to sweep the keypad and change from **ABC** to**?123** mode.
8. Tap **Auto-capitalization** to enable automatic capitalization.
9. Tap **Voice input** to activate the Voice input feature. Voice input is an experimental feature using Google's networked speech recognition application.
10. Tap **Auto-full stop** to activate the Auto-full stop feature. When you double space in a message, a period and space is added and the keyboard is placed into Uppercase mode so you can start the new sentence with a capital letter.
11. Tap **Character preview** to enable small pop-ups to appear as you tap each key to show the character you are entering.
12. Tap **Handwriting settings** to select options for using the Handwriting feature.
13. Tap **Tutorial** for a short tutorial on using the Samsung keypad.
14. Tap **Reset all settings** to reset all Samsung keypad settings to the default values.

XT9 Advanced Settings

The following XT9 Advanced settings are only available if the **XT9** field has been selected.

1. From the Home screen, tap **→ Settings → Language and keyboard → Samsung keypad → XT9 advanced settings**.

2. Tap the **Word completion** field to enable word completion. Your phone will predict how to complete the word you have started.
3. Tap the **Word completion point** field to set how many letters should be entered before a prediction is made.
4. Tap the **Spell correction** field. This option corrects typographical errors by selecting from a list of possible words that reflect the characters of the keys you tapped as well as the characters of nearby keys.
5. Tap the **Next word prediction** field to enable word prediction for the next word.
6. Tap the **Auto-substitution** field to automatically replace words that you are typing. This option will help for accidental misspellings.
7. Tap the **Regional correction** field. This option sets the device to automatically correct mistyped words according to normal spelling for your region.
8. Tap the **Recapture** field. This option sets the device to re-display the word suggestion list when you select the wrong word from the list.
9. To add a new word to the T9 dictionary:
   Tap the **XT9 my words** field, then press → **Add**. Enter the new word in the **Edit XT9 my words** field, then tap **Add**.
10. To add words to substitute (for example youve becomes you've) tap **XT9 auto-substitution**.
11. A list of substitutions is displayed. If you don't see the substitution you want, press → **Add**, and then input the Shortcut word and Substitution word. Tap **Add**.

Voice Input and Output

This feature allows the device to provide a verbal readout of on-screen data such as messages and incoming caller information.

1. From the Home screen, tap → **Settings** → **Voice input and output**.
2. Tap **Voice recognition** to and tap on the Voice recognition format that you want. Select **Samsung powered by Vlingo** or **Google**.
3. Tap **Voice recognition settings** to access the following options:
   - **Language**: allows you set the language you will be using for your voice input and output.

- **SafeSearch**: allows you to filter explicit images when performing voice searches. You can set to Off, Moderate, or Strict.
- **Block offensive words**: allows you to hide recognized offensive words.

4. Tap **Text-to-speech settings** to access the following options:
   - **Listen to an example**: plays a short example of what the text-to-speech feature sounds like on your device when activated.
   - **Driving mode**: allows incoming calls and new notifications to be read out automatically.
   - **Driving mode settings**: allows you to choose exactly what information is read out automatically.
   - **Always use my settings**: accepts an override of application settings with personal configurations for this text-to-speech settings screen. If enabled, your device defaults to using the text-to-speech feature.
   - **Default engine**: displays the default engine used for voice recognition.
   - **Install voice data**: confirms the installation of necessary data required for voice synthesis.
   - **Speech rate**: adjusts the rate at which on-screen text is spoken by the device. Choose from: **Very slow**, **Slow**, **Normal**, **Fast**, and **Very fast**.
   - **Language**: assigns the language used for verbal readout. Tap a language option.
   - **Samsung TTS**: allows you to modify settings for the Samsung TTS default engine.
   - **Pico TTS**: allows you to modify settings for the Pico TTS default engine.

Accessibility Settings

This service is able to collect all the text you type, including personal data credit card numbers except passwords. It may also log your user interface interactions. Using TalkBack, every interaction and keypress is explained in audio. The Accessibility menu also allows you to set various vision, hearing, and access options.

1. From the Home screen, tap ➔ **Settings** ➔ **Accessibility**.
2. Tap **Accessibility** to create a checkmark and activate the feature.
3. Tap **TalkBack** to create a checkmark and activate the feature.

   If an **Attention** prompt appears, tap **OK** to continue or **Cancel** to exit.
4. Tap **Font size** to change the text size in the Calendar, Email, Contacts, and Messaging applications.

5. Tap **Assistive light** to turn on the torch to see better.
6. Tap **Mono audio** to provide mono audio when listening with one earphone.
7. Tap **Call answering/ending** to access the following options:
   - **Answering key**: Tap this option to create a checkmark if you want to accept incoming calls by pressing the home key.
   - **Automatic answering**: This option allows you to set the number of seconds before a call is automatically answered. You can also turn it off (default).
   - **The Power key ends calls**: Tap this option to create a checkmark if you want to press the power key to end calls. This will not turn off the screen.
8. Tap **Accessibility shortcut** to press and hold the power key to use the accessibility shortcut under phone options.

Date and Time

This menu allows you to change the current time and date displayed.

1. From the Home screen, tap ➔ **Settings** ➔ **Date & time**.
2. Tap **Automatic** to allow the network set the date and time.

Important!: Deactivate **Automatic** to manually set the rest of the options.

3. Tap **Set date** and use the plus or minus icons to set the **Month**, **Day**, and **Year** then tap **Set**.
4. Tap **Select time zone**, then tap a time zone.
5. Tap **Set time** and use the plus or minus icons, set **Hour**, and **Minute**. Tap **PM** or **AM**, then tap **Set**.
6. Optional: Tap **Use 24-hour format**. If this is not selected the phone automatically uses a 12-hour format.
7. Tap **Select date format** and tap the date format type.

Pen Settings

This menu allows you to change settings for your S Pen.

1. From the Home screen, tap ➔ **Settings** ➔ **Pen settings**.
2. Tap **Dominant hand** and tap either **Left handed** or **Right handed**.
3. Tap **Pen help** for information concerning your S Pen.

About Phone

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

▶ From the Home screen, tap → **Settings** → **About phone**. The following information displays:

- **Status**: displays the battery status, the level of the battery (percentage), the phone number for this device, the network connection, signal strength, mobile network type, service state, roaming status, mobile network state, IMEI number, IMEISV, Wi-Fi MAC address, Bluetooth address, and Up time.
- **Battery usage**: displays the applications or services (in percentages) that are using battery power.
- **Legal information**: This option displays information about Open source licenses as well as Google legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then press to return to the Settings menu.
- **Model number**: displays the phone's model number.
- **Android version**: displays the android version loaded on this handset.
- **Baseband version**: displays the baseband version loaded on this handset.
- **Kernel version**: displays the kernel version loaded on this handset.
- **Build number**: displays the software, build number.

Note: Baseband, kernal and build numbers are usually used for updates to the handset or support. For additional information please contact your AT&T service representative.

Software Update

The Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, tap → **Settings** → **Software update**.
2. Tap **Check for updates**.
3. At the **Software update** prompt, tap **OK** to continue.
4. The phone automatically updates the software (if available), otherwise, when the **Current software is up to date** prompt is displayed, tap **OK**.

5. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, tap **Continue update**.

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Browser

The Browser is your access to the mobile web. This section explains how to navigate the Browser and introduces you to the basic features.

Accessing the Mobile Web

To access the Browser:

- From the Home screen, tap **Web** .

  The AT&T/YAHOO! mobile homepage displays.

Navigating with the Browser

1. To select an item, tap an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To return to the previous page, press .

Zooming in and out of the Browser

There are several ways to Zoom in and out on your browser. After tapping on a link or article, use one of these methods:

- **Tilting**: Touch and hold the screen at two points then tilt the device back and forth to reduce or enlarge the screen. You must first enable motion in the Settings section. For more information, refer to *"Motion"* on page 115.
- **Double tap**: Quickly tap the screen twice on the web page to zoom in or out.
- **Pinching**: Sweep in opposite directions at the same time to zoom in or out (use a pinching-in or pinching-out motion).

Desktop view

To view a web page in Desktop view, scroll to the bottom to **View: Mobile | Desktop** and tap **Desktop**.

Browser Options

1. From the home page, press to access the following options:
   - **New window**: displays a new window so you can browse multiple URLs. For more information, refer to *"Adding and Deleting Windows"* on page 126.
   - **Find on page**: allows you to search in the current page.

- **Add bookmark**: allows you to add a URL to your bookmark list.
- **Brightness/color**: allows you to adjust the brightness of your display and the color level.
- **Settings**: allows you to modify your web settings. For more information, refer to *"Browser Settings"* on page 129.
- **More**: displays the following additional options:
  - **Downloads**: displays the download history.
  - **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.
  - **Share page**: allows you to share the page using Gmail or as a message.
  - **Add shortcut to home screen**: allows you to set your homepage as a shortcut on your display.
  - **Page info**: displays information about the selected page.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keypad.

   The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. From the Google homepage, tap the **Web Search** field.
2. Enter the keyword(s) to search using the on-screen keypad and tap **Go**.

   – or –

   Tap and select a topic to search for.
3. A list of search results displays.
4. Tap a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, press → **New window**.

   A new browser window is opened.
2. Press to at the top of the screen to see a list of all open windows. The number represents the number of new windows that have been created.
3. Tap a window listing to open up that Internet window.

4. Tap at the top right corner of the web page thumbnail to delete the window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites are displayed in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, tap .

   The Bookmarks page is displayed.

2. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:

   - **Open**: Opens the webpage of the selected bookmark.
   - **Open in new window**: Opens the webpage in a new window.
   - **Edit bookmark**: Allows you to edit the name or URL of the bookmark. For more information, refer to *"Editing Bookmarks"* on page 128.
   - **Add shortcut to home screen**: Adds a shortcut to the bookmarked webpage to your phone's Home screen.
   - **Share link**: Allows you to share a URL address via Bluetooth, Calendar, Email, Facebook, Gmail, Messaging, S Memo, Social Hub, or Wi-Fi.
   - **Copy link URL**: Allows you to copy the URL address to use in a message.
   - **Delete bookmark**: Allows you to delete a bookmark. For more information, refer to *"Deleting Bookmarks"* on page 128.
   - **Set as homepage**: Sets the bookmark to your new homepage.

3. Press to display the following options:

   - **Bookmark last-viewed page**: Creates a new bookmark for the last webpage that you viewed.
   - **List/Thumbnail view**: You can select **Thumbnail view** (default) to see a thumbnail of the webpage with the name listed, or you can select **List view** to see a list of the bookmarks with Name and URL listed.
   - **Create folder**: Creates a new bookmark folder.
   - **Change order**: Allows you to move pages around on the Bookmarks page. Touch and hold a bookmark icon, then move it to the desired location.
   - **Move to folder**: Allows you to move a page to a folder.
   - **Delete**: Allows you to delete one or all of your bookmarks.

Adding Bookmarks

1. From any webpage, tap → → **Bookmark last-viewed page**.

2. Use the on-screen keypad to enter or edit the name of the bookmark and the URL.

3. Tap **OK**.
4. **Saved to bookmarks** will appear at the bottom of the page.

Editing Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the name of the bookmark or the URL.
4. Tap **OK**.

Deleting Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to delete.
2. Tap **Delete bookmark**.
3. At the Delete confirmation window, tap **OK**.

Emptying the Cookies

A cookie is a small file which is placed on your phone by a website during navigation. In addition to containing some site-specific information, it can also contain some personal information (such as a username and password) which can pose a security risk if not properly managed. You can clear these cookies from your phone at any time.

1. From the Home webpage, press → **Settings** → **Clear all cookie data**.
2. At the **Clear** prompt, tap **OK** to delete the cookies or tap **Cancel** to exit.

Using your History

The History list provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From the Home webpage, tap → **History** .

   A list of your most recently visited websites is displayed with Name and URL address.
2. Tap any entry to display the webpage.
3. Press → **Clear history** to delete the History list.

Using Most Visited

The Most visited list provides you with a list of the most visited websites that you have bookmarked. These entries can be used to return to previously unmarked web pages.

1. From the Home webpage, tap → **Most visited** .

A list of your most visited webpages is displayed with Name and URL address. The webpages that have been visited the most will appear at the top.

2. Tap any entry to display the webpage.

Browser Settings

To make adjustments in your browser settings, follow these steps:

1. Tap **Web** ➔ ➔ **Settings**.
2. The following options are available:
   - **Default zoom**: Adjusts the zoom feature. Set to Far, Medium, or Close.
   - **Open pages in overview**: Shows an overview of newly opened web pages.
   - **Text encoding**: Adjusts the current text encoding.
   - **Block pop-up windows**: Prevents popup advertisement or windows from appearing on-screen. Remove the checkmark to disable this function.
   - **Load images**: Allows web page images to be loaded along with the other text components of a loaded website.
   - **Auto-fit pages**: Allows web pages to be resized to fit as much of the screen as possible.
   - **Landscape view only**: Displays the browser in only the horizontal position.
   - **Enable JavaScript**: Enables javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.
   - **Enable plug-ins**: Allows the download of plug-ins such as Adobe Flash.
   - **Open in background**: New pages are launched in a separate page and displayed behind the current one. Remove the checkmark to disable this function.
   - **Set home page**: Sets the current home page for the Web browser.
   - **Default storage**: Allows you to set your default storage to Phone or Memory Card.
   - **Clear cache**: Deletes all currently cached data. Tap **OK** to complete the process.
   - **Clear history**: Clears the browser navigation history. Tap **OK** to complete the process.
   - **Accept cookies**: Allows sites, that require cookies, to save and read cookies from your device.
   - **Clear all cookie data**: Deletes all current browser cookie files.
   - **Remember form data**: Allows the device to store data from any previously filled out forms. Remove the checkmark to disable this function.
   - **Clear form data**: Deletes any stored data from previously filled out forms. Tap OK to complete the process.

- **Enable location**: Allows websites to request access to your location.
- **Clear location access**: Clears location access for all websites. Tap **OK** to complete the process.
- **Remember passwords**: Stores usernames and passwords for visited sites. Remove the checkmark to disable this function.
- **Clear passwords**: Deletes any previously stored usernames or passwords. Tap **OK** to complete the process.
- **Show security warnings**: Notifies you if there is a security issue with the current website. Remove the checkmark to disable this function.
- **Select search engine**: allows you to set your default search engine to Google, Yahoo!, or Bing.
- **Website settings**: View advanced settings for individual websites.
- **Reset to default**: Clears all browser data and resets all settings to default.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity"and sometimes referred to as wifi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Tap the **Wi-Fi** field to activate the feature. A green checkmark indicates that Wi-Fi is active. The device will scan for available in-range wireless networks and display them under Wi-Fi networks on the same screen.

Connect to a Wi-Fi Network

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi settings**.

   The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
2. Tap the network you want to connect to.

Note: When you select an open network, you will be automatically connected to the network.

3. Enter a wireless password if necessary.

Manually add your new network connection

1. Tap **Add Wi-Fi network**.
2. Enter the **Network SSID**. This is the name of your Wireless Access Point.
3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP.
4. If secured, you will also need to enter your WAP's password.
5. Tap **Save** to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Wi-Fi Off

1. From the Home screen, tap **→ Settings → Wireless and network → Wi-Fi settings**.
2. Tap the **Wi-Fi** field to deactivate the feature. The green checkmark will be removed.

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From the Home screen, tap **→ Settings → Wireless and network → Wi-Fi settings**.
2. Press **→ Scan**.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct. For more information, refer to *"Wi-Fi Direct"* on page 132.

Wi-Fi Advanced Settings

The Wi-Fi settings - Advanced menu allows you to set up many of your device's Wi-Fi service, including:

- Setting your Wi-Fi sleep policy
- Viewing your device's MAC Address
- Configuring use of either a DHCP or Static IP

To access the Bluetooth Settings menu:

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Press → **Advanced**.

For more information, refer to *"Network Notification"* on page 97.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Wi-Fi Direct settings**.
2. On your phone, at the **Scan for devices** prompt, tap **OK**. Tap the **Do not show again** checkbox if you want to skip this step in the future.

   The device scans for other Wi-Fi Direct devices.
3. If you are currently connected to a Wi-Fi network, a prompt will display **Current network will be disconnected**. Tap **OK** to continue.
4. Tap **Wi-Fi Direct**. A check mark is displayed indicating that Wi-Fi Direct is active.
5. Repeat **steps 1 - 4** on the other device you want to connect with.
6. Once the device you want to connect to is displayed, tap on it.
7. Tap **Connect**.
8. The other device will receive a **Wi-Fi Direct connection** prompt and has 2 minutes to tap **OK** for the connection to be made.

9. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the icon will display at the top of your screen.
10. Tap **Device name** to change your Device name if desired.

Sharing Information with Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then tap the **Share** or **Share via** option and tap **Wi-Fi**.
2. Tap the connected device name. For example, AndroidP2PXXXX.
3. The other device will receive a prompt to receive the information and must tap **OK**.
4. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in **My Files** in the **ShareViaWifi** folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Bluetooth settings**.
2. Tap the **Bluetooth** field to activate the feature (checkmark indicates active). When active, appears within the Status area.

To turn Bluetooth off:

1. From the Home screen, tap → **Settings** → **Wireless and network** → **Bluetooth settings**.

2. Tap the **Bluetooth** field to deactivate the feature. The green checkmark will be removed.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is turned on.

Displays when Bluetooth is connected (paired) and communicating.

Displays when Bluetooth is on but is not connected to a Bluetooth device and Bluetooth devices are available to connect to.

[no icon] Displays when Bluetooth is disabled (default status).

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices
- Displaying your device's Bluetooth address

To access the Bluetooth Settings menu:

1. From the Home screen, tap ➔ **Settings** ➔ **Wireless and network** ➔ **Bluetooth settings**.
2. Verify your Bluetooth is active.
3. Tap the **Device name**, **Visible**, **Visible time-out**, and **Scan for devices** fields to set the options.

To change your Bluetooth name:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Device name**.
3. Enter a new name.
4. Tap **OK** to complete the rename process.

To make your device visible:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Visible**.
   - Making your device visible allows it to be detected by other devices for pairing and communication.
3. Tap **Visible-time-out** to set how long your device will remain invisible.

To scan for Bluetooth devices:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Scan for devices** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Tap **Scan for devices**. Your device will display a list of discovered in-range Bluetooth devices.
3. Tap a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and tap **OK**.
5. The external device will then have to also accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, appears within the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting a paired device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device (from the bottom of the page).
3. Tap **OK** to confirm disconnection.

   – or –

   From the Bluetooth settings page, touch and hold the name of the previously paired device, and select **Disconnect**.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a paired device (unpair)

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, touch and hold the name of the previously paired device (from the bottom of the page). This opens the connected device's menu options.
3. Tap **Unpair** to delete the paired device.

Sending Contacts via Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled, and the recipient's device must be visible.

1. Verify your Bluetooth is active.
2. From the main Home screen, tap **Contacts** .
3. Press → **Import/Export** → **Send namecard via**.
4. Tap each contact that you would like to send via Bluetooth. A green checkmark will appear next to each entry you select.
5. Tap **Send**.
6. Tap **Bluetooth**.
7. Select the paired device to send the contacts to.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

8. A Bluetooth share notification will appear in your notifications list.

PC Connections

You can connect your device to a PC using an optional PC data cable using various USB connection modes. When you connect the device to a PC, you can synchronize files with Windows Media Player, transfer data to and from your device directly, or use the Kies air application to access your PC wirelessly.

Connecting as a Mass Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Insert a memory card into the device to transfer files from or to the memory card to your PC.
2. From the Home screen, tap → **Settings** → **Wireless and network** → **USB utilities**.
3. On your phone, tap **Connect storage to PC**.
4. Connect a USB cable from your phone to your PC.
5. A pop-up window displays on the PC when connected. Tap **Connect USB storage**.

   Your phone will appear on your PC as a removable disk.
6. Open the folder to view files.
7. Copy files between your PC and your memory card.
8. To exit, tap **Disconnect storage from PC**.

Kies Air

Kies Air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view and share call logs, videos, photos, music, bookmarks, ringtones, and even send SMS messages from your PC.

To use the Kies air, follow these steps:

1. Sign onto the same Wi-Fi network from your phone and from your PC.
2. On your phone, from the Home screen, tap → **Kies air** .
3. From the Kies air homescreen, tap **Start**.

   A web URL is displayed on your phone screen.
4. From your PC, enter the URL in your web browser.
5. On your phone, an Access Request prompt is displayed. Tap **Allow** to continue.
6. Tap the **Remember for today** checkbox if you will be using Kies air with the same PC later.
7. From your PC, a security warning may be displayed asking if you want to run this application. Click **Run** to continue.

8. On your PC, the Kies air screen is displayed. On your phone, the icon appears at the top of your screen.
9. Follow the on-screen instructions to view and share information between your phone and PC.
10. To exit the Kies air application, tap **Stop** on your phone, then close out the web browser on your PC.

NFC

Near Field Communication (NFC) will be available on this phone in the future, but is now temporarily disabled.

Section 10: Applications

This section contains a description of each application that is available in the Applications Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 32.

You can also add an application icon as a Primary Shortcut that will display on all Home screens. If you add an application as a primary shortcut, the application icon will not be displayed in the Applications menu. For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 33.

AllShare

AllShare allows your phone to stream photos, music and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your phone can also play digital content streamed from other DLNA certified devices.

Note: To view more information about DLNA certified products visit http://www.dlna.org/home.

1. Connect to a Wi-Fi network. see *"Connect to a Wi-Fi Network"* on page 130.
2. From the Home screen, tap → **AllShare**.

   The AllShare screen is displayed.
3. To share media, tap **Videos**, **Photos**, or **Music** and tap on the media that you would like to share.
4. At the **My device** screen, any devices that you can share with are displayed.
5. Tap on a device to share media.
6. Tap the **Remote device** tab at the top of the screen.

   All devices that you can receive media from are displayed.
7. Tap a device name.

   Media that you can receive from the other device is listed.
8. Tap an item that you want to stream to your phone.

9. Press ➔ **Settings** to configure the following settings:
   - **Device name**: defaults to your phone. Use the keypad to enter a new Media server if desired, and tap **Save**.
   - **Share videos/photos/music**: allows you to restrict what is shared from your phone. Tap the items you want to share.
   - **Upload from other devices**: allows you set the phone to select how uploads from other devices are started. Tap **Always accept**, **Always ask**, or **Always reject**.
   - **Default memory**: allows you to have media saved to your **Phone** or **Memory Card**. Tap an option.
   - **Subtitles**: allows you to see subtitles on shared media.

   Depending on the setting you changed, a pop-up screen may display to restart AllShare. Tap **Yes** to continue.

Amazon Kindle

This application allows you to download books, magazines, and newspapers to read on your phone.

1. From the Home screen, tap ➔ **Amazon Kindle** .
2. At the Kindle display, tap **Get Kindle for Android**.
3. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 10.
4. Follow the on-screen instructions to download the application from the Android Market.

AT&T Code Scanner

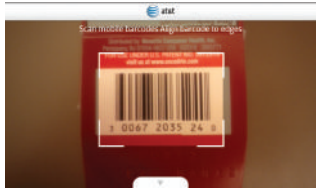
AT&T Code Scanner allows you to scan two-dimensional (QR and datamatrix codes) and one-dimensional (UPC and EAN) barcodes found in magazines, stores, and online.

1. From the Home screen, tap ➔ **AT&T Code Scanner** .

Note: The first time you use the AT&T Code Scanner, you will need to download the updated application from the Market. When the Market page displays, tap **Update**. For more information, refer to *"Market"* on page 152.

2. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 10.
3. Read the Terms and Conditions and tap **Accept** to continue.
4. At the My Profile screen, tap **OK** to enter profile information or tap **Not now** to bypass.

5. Position your phone approximately 6-8 inches from the barcode. Ensure that the barcode is completely within the window as shown below. Keep your phone steady for best results.



6. The scanner will automatically scan the barcode. It may take several seconds.
7. After the scan, tap **Yes** to open the web page to view the information on the barcode that was scanned.

AT&T FamilyMap

AT&T FamilyMap provides peace of mind by being able to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private.

Note: The first time you use AT&T FamilyMap, you will need to download the updated application from the Market. When the Market page displays, tap **Update**. For more information, refer to *"Market"* on page 152.

1. From the Home screen, tap → **AT&T FamilyMap** .
2. If you don't have an account, tap **Create New Account** and follow the on-screen instructions.

   – or –

   If you already have an account, enter your Phone Number and Password in the appropriate fields and tap **Submit**.

Note: For more information, visit http://www.att.com/familymap.

3. Follow the on-screen instructions.

AT&T Navigator

AT&T Navigator provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches.

Important!: You must have a data plan to use this feature.

Note: These services require the purchase of a subscription.

To launch the AT&T Navigator application, follow these steps:

1. From the Home screen, tap ➔ **AT&T Navigator** .
2. Read the Terms of Service and tap **Accept** to acknowledge the terms of use.

   The first time that you use, AT&T Navigator, the necessary files will be downloaded. The AT&T Navigator main screen displays.
3. Tap a AT&T Navigator plan that you choose to purchase.
4. Follow the on-screen instructions.

AT&T Ready2Go

AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features. For more information, refer to *"Setting up your Phone with Ready2Go"* on page 10.

Books

With Google Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

1. From the Home screen, tap ➔ **Books** .
2. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 10.
3. Follow the on-screen instructions for using the Books application.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The Calculator also keeps a history of recent calculations.

1. From the Home screen, tap ➔ **Calculator** .
2. Enter the first number using the on-screen numeric keys.
3. Enter the operation for your calculation by tapping the corresponding on-screen arithmetic function key.
4. Enter the second number.
5. To view the result, tap equals (**=**).
6. To view calculator history, tap located at the top of the calculator buttons. A history of your past calculations is displayed. Tap to display the calculator keypad.
7. To clear the calculator history, press ➔ **Clear history**.

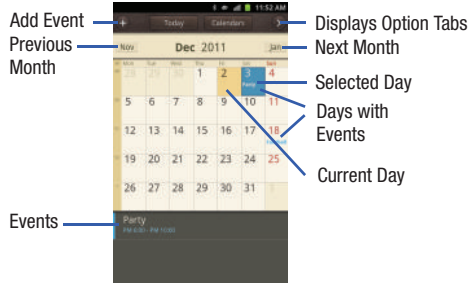
8. To change the text size, press → **Text size**. Tap Small, Medium, or Large.

Calendar

With the Calendar feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access the Calendar:

1. From the Home screen, **Calendar**.
2. The following options are available:
   - **Year**: displays all 12 months.
   - **Month**: displays the selected month with today's date highlighted. At the bottom of the calendar, scheduled events display in the order that they occur. This is the default view.
   - **Week**: displays the selected week with today's time and date highlighted.
   - **3 days**: displays the selected day and the day before and after the selected day with any events highlighted.
   - **day**: displays the selected day with any events highlighted.
   - **Agenda**: displays all events that you have added for all dates in the order that they appear.
   - **Task**: displays all events that you have added for all dates in the order that they appear.



Calendar Options

▶ From any Calendar view, press to display the following options:

- **Go to**: allows you to go to any date on your calendar.
- **Delete**: displays the event list, where you can select events to delete.
- **Search**: allows you to search all of your events for a keyword.
- **Sync**: synchronizes your calendar with accounts you have created.
- **Settings**: displays the following calendar settings:
  - **Calendars**: displays all calendars they you have created.
  - **Week view**: allows you to set the week view to Timeline or Analogue.

– **First day of week**: allows you to set the first day of the week to Sunday or Monday. This will affect how the Month view calendar is displayed.
– **First day of 3-day view**: allows you to set the first day of the 3-day view to Yesterday or Today.
– **Hide declined events**: will not display events you have received from others if you have declined them.
– **Lock time zone**: allows you to lock the event times and dates to the time zone that you select.
– **Select time zone**: allows you to set the time zone to which event times and dates will be locked.
– **Set alerts and notifications**: allows you to turn on audio alerts, set Status bar notification, or turn alerts off.
– **Vibrate**: allows you to set the Event notification tone to vibrate Always, Only in Silent mode, or Never.
– **Select ringtone**: allows you to set the ringtone for the Event notification tone.
– **Calendar sync**: allows you to sync your calendar with other accounts such as email or social accounts.
– **Swipe with two fingers**: displays information on how to change the view by swiping the screen with two fingers.

Agenda

The Agenda displays all events that you have added for all dates in the order that they appear.

1. From the Calendar, tap the **Agenda** tab.
2. Tap any event to display it.
3. Press to display the following options:
   - **Go to**: allows you to go to any date on your calendar.
   - **Delete**: displays the event list, where you can select events to delete.
   - **Sync**: synchronizes your calendar with accounts you have created.
   - **Settings**: displays the calendar settings. For more information, refer to *"Calendar Options"* on page 143.

Camera

Use your 8.0 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos.

For more information, refer to *"Camera"* on page 76.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, and use a timer.

Alarm

This feature allows you to set an alarm to ring at a specific time.

1. From the Home screen, tap **→ Clock** **→ Alarm →** **Create alarm**. The following options display:
   - **Time**: tap the (**+**) or (**-**) to set the new time for the event, at which time an alarm will sound.
   - **Alarm repeat**: use this option to set the repeating status for the alarm by tapping one of the following options:

– **Weekly**: sets the alarm to sound once every week on the day and time that is set.
– **Daily**: sets the alarm to sound all seven days of the week.
– **Every weekday (Mon-Fri)**: sets the alarm to sound on all five weekdays.
– **One-time event**: sets the alarm to sound only once.

- **Alarm type**: sets the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).
- **Alarm volume**: drag the slider to adjust the alarm's volume.
- **Alarm tone**: sets the sound file which is played when the alarm is activated. Select **Sounds** or **Go to My files**.
- **Snooze**: use this option to set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times).
- **Smart alarm**: tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Duration and the Tone.
- **Name**: allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.

2. Tap **Save** to store the alarm details.

Turning Off an Alarm

▶ To stop an alarm when it sounds, touch and drag the icon in any direction.

Setting the Snooze Feature

▶ To activate the Snooze feature after an alarm sounds, touch and drag the icon in any direction. Snooze must first be set in the alarm settings. For more information, refer to *"Alarm"* on page 144.

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Home screen, tap → **Clock** → **Alarm** → → **Delete**.
2. Tap the alarm or alarms you wish to delete. A green checkmark will appear next to each selection.
3. Tap **Delete**.

World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. From the Home screen, tap → **Clock** → **World clock**. The clock for your time zone is displayed.
2. Tap **Add city** to add another city to the World Clock.

3. Scroll through the list of cities to find the city you want to add, or tap the Search bar and use the keypad to enter a city to search for.
4. Tap the city you want to add. The clock for that city will display.
5. To set Daylight Savings time, press and hold a city, then tap **DST settings**.
6. Select **Automatic**, **Off**, **1 hour**, or **2 hours**.
7. If Daylight Savings Time is selected, the sun symbol on the World Clock listing will appear orange.

Deleting a World Clock Entry

1. From the Home screen, tap → **Clock** → **World clock** → → **Delete**.
2. Tap the city clocks you wish to delete.
3. Tap **Delete**.

Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap → **Clock** → **Stopwatch**.
2. Tap **Start** to start the stopwatch and tap **Lap** to mark a unit of time per lap.
3. Tap **Stop** to stop the stopwatch.
4. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap → **Clock** → **Timer**.
2. The **min** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.
3. Tap the **hr** field to set hours if desired. As you tap different fields, they will become highlighted.
4. Tap the **sec** field to set seconds.
5. Tap **Start** to begin the timer and tap **Stop** to pause the timer.
6. After stopping, tap **Restart** to continue or tap **Reset** to set the timer back to the original setting.

Desk clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. From the Home screen, tap → **Clock** → **Desk clock**.

   The default Desk clock is displayed.

2. To make changes, tap → **Settings**.
3. The following options are displayed:
   - **Time/Calendar display**: when this is checked, the time, day, and date is displayed. Tap to uncheck.
   - **AccuWeather**: when this is checked, the location, temperature, and weather condition is displayed. Tap to uncheck.
   - **Reset to default**: sets your Desk clock settings to the factory default.
   - **Dock**: tap Audio output mode to create a checkmark if you want to use the external dock speakers when the phone is docked.

Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

For more information, refer to *"Contacts and Your Address Book"* on page 57.

Crayon Physics

Crayon Physics Deluxe is a game the uses two-dimensional physics, including gravity, mass, kinetic energy and transfer of momentum. The objective of the game is to guide a ball from a starting point so that it touches all of the stars placed on each level.

1. From the Home screen, tap → **Crayon physics**.
2. Follow the on-screen instructions to play the game.

Downloads

The Downloads application allows you to manage all of your downloads from the Market and the Browser.

1. From the Home screen, tap → **Downloads**.

   All of your downloads are listed.

2. Tap the **Internet downloads** tab to see all of the downloads you have made from the Browser.
3. Tap the **Other downloads** tab to see all other downloads.
4. Tap → **Sort by size** to see your downloads sorted in size order.

5. Tap → **Sort by time** to see your downloads sorted in time order.

Facebook

You can use the Facebook app to go directly to your Facebook account rather than accessing it from the Browser.

1. From the Home screen, tap → **Facebook**.
2. If you already have a facebook account, tap on the **Email** and **Password** fields and enter your information using the on-screen keyboard, then tap **Login**.

   – or –

   If you don't have a Facebook account, tap **Sign up** and follow the on-screen instructions.

Featured Apps

The Featured Apps application allows you to see the latest featured applications available on the Android Market.

1. From the Home screen, tap → **Featured Apps**.
2. Sign in to your Google account.
3. The first time you use the application, read the End-User License Agreement and tap **Yes, I agree** to continue.
4. Tap the left or right arrow keys to scroll through information on the featured applications.
5. Scroll down and tap on an application that you would like to download.
6. Follow the on-screen instructions.
7. Tap the **Go To Android Market** bar at the bottom of the display to go to the Market.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 74.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 94.

Google Search

The Google Search Bar provides you an on-screen Internet search engine powered by Google™. For more information, refer to *"Google Search Bar"* on page 28.

Kies air

Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view call logs, videos, photos, bookmarks, IMs, and even send SMS messages from your home computer. For more information, refer to *"Kies Air"* on page 137.

Latitude

With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location.

You must first set up your phone to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap **Use wireless networks**. A green checkmark indicates the feature is enabled.
3. Press → **Wireless and network** → **Wi-Fi settings**.
4. Tap **Wi-Fi** to turn Wi-Fi on.
5. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 10.
6. Press → → **Latitude**.

   Your Latitude friends list is displayed.
7. Press → **Map view**.

   Your location is displayed on the map, accurate to 30 meters.

Sharing your Location with Friends

1. From the Latitude map screen, tap to display your Latitude friends. At first, only your name is displayed.
2. Press → **Add friends**.
3. Tap **Select from Contacts** or **Add via email address**.
4. Tap a contact or enter an email address and tap **Add friends**.
5. At the **Send sharing requests** prompt, tap **Yes**.

   Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the web or

use Latitude on their phone provided it is available. Once they acknowledge your request, their location will display on your phone. They can share their location from their computer or phone. For more information, go to http://www.google.com/latitude.

6. To view the map, press → **Map view**.

Latitude Options

▶ From the map display, press to display the following options:

- **Search**: allows you to search for a place of interest.
- **Directions**: displays navigation directions to a location from a starting point.
- **Clear Map**: allows you to remove all markings and layers from the map.
- **More**: allows you to select the following additional options:
  - **Map**: allows you to see the map view.
  - **Places**: allows you to that use Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, etc.
  - **Navigation**: allows you to use the Navigation application which is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.
  - **Latitude**: lets you and your friends share locations and status messages with each other. It also lets you send instant messages and emails, make phone calls, and get directions to your friends' locations.
  - **Location history**: allows you to store your location history using background history reporting.
  - **My Places**: allows you to see locations you have marked as a favorite such as restaurants, museums, parks, and so forth. Press and hold on a location and when the screen displays with the address, tap the star in the upper-right corner. It will be listed in your Starred Places.
- **Settings**: displays the Google Mobile Help web page where you can receive help on Google Maps.
  - **Cache Settings**: allows you to set options to pre-fetch map tiles when not using WiFi and to clear the cache that holds the map tiles.
  - **Location reporting**: allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.
  - **Labs**: this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
  - **Terms, Privacy & Notices**: displays the Terms and Conditions, Privacy Policy, o r Legal Notices information. Select the desired information from the pop-up menu.
  - **About**: displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.

- **Help**: displays the Google Mobile Help web page where you can receive help on Google Maps.

Live TV

Live TV is a subscription service that allows you to watch your favorite TV shows using your handset. For more information, refer to *"Live TV"* on page 72.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

Important!: Before using Google Maps you must have an active data connection. The Maps application does not cover every country or city.

Enabling a Location Source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

1. From the Home screen, tap → **Settings** → **Location and security**.
2. Tap the **Use GPS satellites** field. A green checkmark will display next to the field.

Note: Selecting **Use GPS satellites** allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Using Maps

1. From the Home screen, tap → **Maps** .

   A map will display with your location in the very center.
2. Press to display the following options:
   - **Search**: allows you to search for a place of interest.
   - **Directions**: displays navigation directions to a location from a starting point.
   - **Clear Map**: allows you to remove all markings and layers from the map.

- **More**: allows you to select the following additional options:
  - **Map**: allows you to see the map view.
  - **Places**: allows you to that use Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, etc.
  - **Navigation**: allows you to use the Navigation application which is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.
  - **Latitude**: lets you and your friends share locations and status messages with each other. It also lets you send instant messages and emails, make phone calls, and get directions to your friends' locations.
  - **Location history**: allows you to store your location history using background history reporting.
  - **My Places**: allows you to see locations you have marked as a favorite such as restaurants, museums, parks, and so forth. Press and hold on a location and when the screen displays with the address, tap the star in the upper-right corner. It will be listed in your Starred Places.
- **Settings**: displays the Google Mobile Help web page where you can receive help on Google Maps.
  - **Cache Settings**: allows you to set options to pre-fetch map tiles when not using WiFi and to clear the cache that holds the map tiles.
  - **Location reporting**: allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.
  - **Labs**: this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
  - **Terms, Privacy & Notices**: displays the Terms and Conditions, Privacy Policy, o r Legal Notices information. Select the desired information from the pop-up menu.
  - **About**: displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.
  - **Help**: displays the Google Mobile Help web page where you can receive help on Google Maps.

Market

Android Market provides access to downloadable applications and games to install on your phone. Android Market also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Android Market you must have a Google Account. For more information, refer to *"Creating a New Google Account"* on page 10.

1. From the main Home screen, tap **Market** .

Note: The main Home screen initially contains the **Market** icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Applications** → **Market** .

2. Sign in to your Google account.

3. The first time you sign in, the Android Market Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.
4. Tap one of the category icons to download or purchase applications, games, books, or movies. You can also download updates to existing applications.

   – or –

   Tap to search for an application.
5. Follow on the on-screen instructions.

Note: To use any downloaded market application that requires a USB connection between your phone and your PC, you should first set the USB utilities setting to **Connect storage to PC**. For more information, refer to *"USB utilities"* on page 100.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to *"Media Hub"* on page 68.

Messages

AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer. For more information, refer to *"Messages App"* on page 95.

Messaging

You can send and receive messages and other features associated with messaging such as Email, Gmail, and Google Talk. For more information, refer to *"Messaging"* on page 87.

Mini Diary

The Mini Diary allows you to keep a diary of your daily activities and also attach pictures. You can publish your diary entries to Facebook and MySpace.

1. From the Home screen, tap → **Mini Diary** .
2. Tap **Create diary** to start a new diary entry.
3. Tap the **Tap to add photo** field to add a photo.
4. To take a new picture, tap **Camera**. To add a photo from your Gallery, tap **Gallery**. To add an image from S Memo, tap **S Memo**.
5. Tap the **Tap to add text** field to add text to your diary then tap **Done**.
6. Tap the **Add location** field to add your location then tap **Done**.
7. Tap **Save**.

8. The dairy entry will be added to your Mini Diary with today's date.
9. While in a diary entry that has been previously saved, and does not have a photo, press to display the following options:
   - **Create**: allows you to create a new diary entry.
   - **Delete**: allows you to delete a diary entry.
   - **Go to**: allows you to go to a specific day on the calendar.
   - **Publish**: allows you to publish your diary to Facebook.
   - **Send via**: allows you to send your Diary entry by Email or Messaging.
10. While in a diary entry that has been previously saved, and does have a photo, press to display the following options:
    - **Create**: allows you to create a new diary entry.
    - **Delete**: allows you to delete a diary entry.
    - **Go to**: allows you to go to a specific day on the calendar.
    - **Change photo**: allows you to change your photo if you have already added one. This option only displays if a photo has been added.
    - **Delete photo**: allows you to delete your photo. This option only displays if a photo has been added.
    - **More**: select one of the following options:
      - **Publish**: allows you to publish your diary to Facebook.
      - **Send via**: allows you to send your Diary entry by Email or Messaging.
11. At the Mini Diary screen, press to display the following options:
    - **Search**: allows you to search your diaries for a particular word or words.
    - **List by**: allows you to sort by Date or Location.
    - **Delete All**: allows you to delete all diary entries.
    - **Settings**: allows you to select **Auto update** which will update your Selected city based on GPS.

Movies

The Movies application allows you to rent movies to watch on your phone. For more information, refer to *"Movies"* on page 72.

Music

With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Music"* on page 72.

Music Player

Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 69.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Home screen, tap → **My Files** .
2. The following folders display:
   - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** → **Camera** to view the picture or video files. For more information, refer to *"Accessing Pictures"* on page 80. Also, see *"Accessing Videos"* on page 85.
   - **Android**: the Android folder stores files that are used in Android applications.
   - **external_sd**: this folder displays all of the files that you have on your memory card.
   - **Bluetooth**: this folder stores files sent via a Bluetooth device.

Note: Different folders may appear depending on how your phone is configured.

myAT&T

The myAT&T application allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan.

Note: The first time you use myAT&T, you will need to download the updated application from the Market. When the Market page displays, tap **Update**. For more information, refer to *"Market"* on page 152.

Initial Setup

1. From the Home screen, tap → **myAT&T** .
2. Sign into your Google Account. If you haven't set up an account, see *"Creating a New Google Account"* on page 10.
3. After signing into your Google Account, the Android Market displays the **myAT&T** application. Tap the application.
4. Tap **Update**.
5. Follow the on-screen instructions.

Using myAT&T

1. From the Home screen, tap → **myAT&T** .

   The **myAT&T** page is displayed.
2. Read the Terms and Conditions and tap **Accept** to continue.
3. Enter your **Wireless #** and **Password** using the on-screen keypad, then tap **Login**.
4. Follow the on-screen instructions.

Navigation

Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.

Note: For voice-guided navigation, you need to install text-to-speech support from the Android Market.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Launching Navigation

1. From the Home screen, tap → **Navigation** .
2. Read the Navigation information page and tap **Accept** to continue or **Don't Accept** to exit.

   The **Choose Destination** screen displays.
3. Select one of the following options:
   - **Speak Destination**: allows you to speak your destination.
   - **Type Destination**: allows you to use the keypad to enter your destination.
   - **Contacts**: displays a list of all of your contacts that have addresses listed.
   - **Starred Places**: allows you to keep a list of favorite destinations, locations, restaurants, etc. Just tap a starred item to get directions.
   - **Recent Destinations**: allows you to access information on previous destinations you have used. This option only appears after you have entered one or more destinations.

   The map displays with your location in the center.

Navigation Options

1. While navigating, press **Menu** for the following options:
   - **Search**: Find a location.
   - **Route Info**: View information about the current route.
   - **Layers**: Choose map layers to display.
   - **Mute/Unmute**: Mute to silence voice-guided prompts.
   - **Exit Navigation**: Close Navigation and discard route information.
   - **More**: The following options are available:
     - **Directions List**: View directions in a step-by-step list.
     - **Set Destination**: Choose or enter a destination.
     - **Help**: Learn about Google maps.

– **Terms, Privacy & Notices**: View information about Google Maps, including the Service Agreement and Privacy Policy, and give Feedback.

2. If Driving, press **Menu** ➔ **Route Info**, then touch **Route options** to set whether directions should **Avoid highways** and **Avoid tolls**.

Obtaining Driving Directions

Your phone's built-in GPS hardware allows you to get real-time driving directions to selected locations or establishments based on your current location.

Using a Physical Address

1. From the Home screen, tap ➔ **Navigation**.
2. Tap either **Speak Destination** or **Type Destination**.
3. If typing in the address, enter the address, City, and State using the keypad. As you type, possible addresses will be displayed. Tap on one when you see the address you want.

   The route will be displayed.
4. The Voice guidance screen is displayed. For voice-guided navigation you need to install text-to-speech support from the Android Market. Tap **Install** to install the application or tap **Skip** to exit.

Note: You will need to be signed on to your Google account before downloading applications from the Android Market. For more information, refer to *"Creating a New Google Account"* on page 10.

5. As you drive the route display will be updated and you will receive voice-guided navigation directions.

News & Weather

The News & Weather application allows you to view the news and weather in your area.

1. From the Home screen, tap ➔ **News & Weather**.

   The Weather screen is displayed with current temperature, conditions, Humidity, and Wind speed.
2. Tap the temperature to display a graph mapping the days temperature and humidity.
3. While on the Weather screen, press to display the following options:
   - **Refresh**: allows you to refresh the screen. Your location and the weather is updated if there have been any changes.
   - **Settings**: allows you to set weather, news, and refresh settings.
     – **Weather settings**: allows you to choose location(s) and set the metric for temperature displays.

– **News settings**: allows you to choose topics, configure settings for fetching articles and images, and view the terms of service for news service.
– **Refresh settings**: allows you to choose options for updating content.
– **Application version**: displays the application version number.

4. To view the news, sweep the screen to the left to display **Top Stories**, **U.S.**, **Sports**, and **Entertainment**.

Places

Places is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and other businesses. You can also add your own locations.

The Places application allows you to find the best sources for business information across the web, including business listing details, reviews, photos, nearby public transit, and other related information. Business owners can provide additional details, like photos, hours of operation, and coupons.

1. From the Home screen, tap → **Places** .
2. Tap on one of the business categories to search for a particular business.

   All of the business categories that are close to you will be displayed.
3. Tap on a business that you want to see the details for.
4. The business details such as address, phone, website, and location are displayed. You can also see reviews from around the web and from Google users.

Polaris Office

Polaris® Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From the Home screen, tap → **Polaris Office**.
2. Enter your Email information (if desired) and touch **Register** to complete the process.

   – or –

   Touch **Later** to ignore this registration.

   The main Polaris Office screen displays. **My files** displays a list of all the files on your phone.
3. Touch **Search** to search for document files by using a text string.
4. Several options are listed under **Category**. Touch one of the following:

- **My Files**: Where you keep documents on this device. You can manage documents or send them to others, and upload the documents. For more information, refer to *"My Files"* on page 155.
- **Recent documents**: Displays documents that you have recently created or modified.
- **Web files**: Provides your online storage information at Box.net. You can also share your documents to others without using email attachments.

5. Press → to access these additional options:

- **Manage files**: allows you to manage your files. You can Move, Copy, and Delete.
- **Sort by**: Allows you to sort by File name, Date, Size, or Type.
- **Settings**: Displays the following options:
  - **Create back-up file**: Touch the check box to enable creating a back-up file when you save documents.
  - **Display file extensions**: Touch the check box to enable the display of file extensions.
  - **Pivot lock**: allows you to lock the screen so that it won't move between landscape and portrait mode when you rotate your phone.
  - **Custom zoom**: allows you to enter a customized zoom level between 50 and 200 that you can access from the zoom option.
  - **Accounts**: Touch to manage the accounts you have created.
  - **Live update**: Touch to make sure you have the latest version of Polaris Office.
  - **About**: Displays the Polaris Office version and build numbers.

Qik Lite

Allows you to record and share live video from your device with your friends, family and your favorite social networks. For more information, refer to *"Qik Lite"* on page 73.

S Memo

The S Memo application allows you to create memos using the keypad, the S Pen tool, or both. You can add images, voice recordings, and text all in one place.

Creating a New Memo

1. From the main Home screen, tap **S Memo** S.

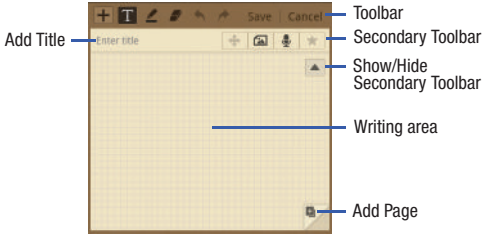
   The S Memo screen is displayed.

2. Tap an existing Memo to open it then tap the screen to enter edit mode.

   – or –

   Tap ⊕ T to start a new memo in text mode with the keypad displayed or tap ⊕ ✎ to start a new memo in drawing mode using the S Pen. You can change back and forth in a memo to add text with the keypad and the pen.

Note: The main Home screen initially contains the **S Memo** icon. If you delete it, or if you want to access S Memo from another Home screen, you must tap **Applications** → **S Memo** .



The icons that you see displayed on the screen are described in the following table:

Saves the memo.

Displays the keypad to you can add text.

Allows you to add free-format drawing using the S Pen.

Eraser tool allows you to erase marks and drawings.

Undo the last action.

Redo the last action that was undone.

Displays the full screen.

Add pictures, clipart, maps, etc.

Make a voice recording to add to the memo.

Mark the memo as a favorite.

Hide the secondary toolbar.

Show the secondary toolbar.

Add an additional page to the memo.

3. Press to access the following options:

Note: Depending on whether you have saved the memo, are in keypad mode, or in S Pen mode, the options will appear differently. The following is a list of the options you may see.

- **Set as**: allows you to set a memo as a contact icon, Home screen wallpaper, Lock screen wallpaper, or a widget.
- **Handwriting-to-text**: allows you to transcribe handwriting into text.

- **Share via**: allows you to share your memo using AllShare, Social Hub, Photo editor, Messaging, Picassa, Wi-Fi, Bluetooth, Facebook, Gmail, or Email.

Note: You can share an S Memo using Gmail but any voice recording that has been attached to the S Memo will not be sent with the rest of the memo.

- **Change background**: allows you to set the background for your memo. Swipe the screen to the left or right to select a background and then tap **Set skin**.
- **Add tag**: allows you to set tags to add in searches.
- **More**: the following additional options are available:
  - **Export**: allows you to save the memo to your Gallery or as a PDF.
  - **Lock**: allows you to lock an email by using a PIN number.
  - **Link to Calendar**: allows you to link the memo to your calendar.
  - **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.
  - **Save as**: allows you to save the memo with a different name.

4. When you are finished creating your memo, tap **Save** on the top menu bar.

S Memo Lite

S Memo Lite is an application that you can launch from any screen to take quick notes or jot down ideas. It's a great way to take notes during a phone call or write down ideas while surfing the web.

To launch S Memo Lite, follow these steps:

1. From any screen, hold the S Pen button and double-tap the screen.

Press S Pen button

2. Enter your memo using the keypad or the S Pen.

   Icons and options are the same as S Memo. For more information, refer to *"S Memo"* on page 159.

3. Tap **Save** when you are finished. Memos are saved in the S Memo folder.
   - From the main Home screen, tap S. to see all of your memos.

Samsung Apps

Samsung Apps allows you to easily download an abundance of applications to your phone. Featuring a wealth of games, news, reference, social networking, navigation, and more applications, Samsung Apps makes your Smartphone smarter.

1. From the Home screen, tap ➔ **Samsung Apps** .
2. Follow the on-screen instructions to use Samsung Apps.

Settings

This widget navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 97.

Social Hub

With Social Hub, you can now easily and intuitively satisfy all of your relevant communication needs from one integrated user experience. E-mails, instant messaging, social network contents, and calendar contents from all major service providers are available.

To access Social Hub, follow these steps:

1. From the Home screen, tap ➔ **Social Hub** .

   The Social Hub Welcome page describes all of the available features.
2. To setup your Social Hub account, tap **Set up now**.
3. Tap on the Social Hub account type that you would like to setup.
4. Read the SNS disclaimer, tap the **I accept all the terms above** checkbox, then tap **Agree** to continue.
5. Tap **Next**.
6. Follow the on-screen instructions for adding an account.
7. From the Social Hub main screen, tap the **Feeds** or **Messages** tabs to see information pertaining to your account.
8. To add another account, press ➔ **Accounts** ➔ **Add account.**

Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 95.

Task Manager

The Task Manager application provides information about the processes and programs running on your phone, as well as the memory status. It can also be used to terminate processes and applications.

To access the Task Manager, follow these steps:

1. From the Home screen, tap → **Task Manager**.
2. The Task Manager options are located at the top of the screen. The following options are available:
   - **Active applications**: displays all of the applications that are presently running on your phone. Tap Exit to end an application, or tap Exit all to end all running applications.
   - **Downloaded**: displays the size of your downloaded application programs.
   - **RAM**: displays the Random Access Memory (RAM) and allows you to clear different levels of RAM.
   - **Storage**: displays a summary of your device's storage (used and available).
   - **Help**: displays information on how to extend battery life.

Videos

The Video Player application plays video files stored on your memory card. For more information, refer to *"Videos"* on page 74.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using AllShare, Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.

1. From the Home screen, tap → **Voice Recorder**.
2. To start recording, tap Record and speak into the microphone.
3. During the recording process you can either tap **Stop** Stop to stop and save the recording or **Pause** Pause to temporarily halt the recording. After pausing, tap Record to resume recording. Once the audio recording has stopped, the message is automatically saved. Tap Cancel to cancel the recording without saving.
4. A list of all your voice recordings is displayed under the control buttons. Tap a voice recording to play it.
5. Press to display the following options:
   - **Share**: allows you to share your recording using Bluetooth, Email, Gmail, Messaging, or Wi-Fi.
   - **Delete**: allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Done**.

- **Rename**: allows you to rename your recordings.
- **Settings**: the following settings are available:
  - **Storage**: allows you to choose where your recordings will be saved. Select between Phone or memory card.
  - **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.
  - **Recording quality**: allows you to set the recording quality to High or Normal.
  - **Limit for MMS**: allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.

Voice Search

The Voice Search feature is a voice-activated application that allows you to tell the phone what to search for and then the phone activates a Google search based on what you said.

1. From the Home screen, tap → **Voice Search** .

   – or –

   From the main Home screen, tap on the right side of the Google Search bar.

2. The **Speak now** screen will display. Speak clearly into the microphone.
3. The **Working** screen will display as it searches for you.
4. Results will display on the screen. Tap a link to view the information.

   – or –

   The **No matches found** screen will display if Voice Search was not able to find a match. Tap **Try again** or **Cancel**.

Voice Talk

With the Voice Talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Home screen, tap → **Voice Talk** .
2. Read the Samsung Disclaimer then tap **Confirm** to continue.
3. Read the Vlingo Terms of Service then tap **Agree** to continue.
4. Read the information on the **About Voice talk** screen, then tap **Next**.
5. Read the information on the **Wake up Voice talk** screen, then tap **Next**.
6. Read the information on the **Say the command** screen, then tap **Next**.

7. Read the information on the **What can I say?** screen, then tap **Done**.
8. At the Voice talk screen, tap on an icon for assistance in using Voice command or tap **Tap & Speak** to speak what you would like to do.
9. Follow the on-screen instructions.

YouTube

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

1. From the Home screen, tap → **YouTube**.
2. Tap the search field to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
3. To view a video, tap an available preview thumbnail or tap the title link.
4. If you prefer high quality video, as the video starts to play, tap **HQ**.
5. Tap to go to your camcorder so you can take your own videos.

Note: It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, access the page via the Web browser and tap **Sign in** at the top right corner, enter your YouTube or Google username and password, and tap **Sign in**.

YPmobile

The Yellowpages Mobile application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time.

Note: The first time you use YP, you will need to download the updated application from the Market. When the Market page displays, tap **Update** or **Install** then follow the on-screen instructions. For more information, refer to *"Market"* on page 152.

1. From the Home screen, tap → **YPmobile**.
2. Read the End-User License Agreement (EULA) and tap **Accept** to continue.

3. Read the introduction information and tap **Continue**.
4. Your location is found using GPS. Tap **OK** to allow YP to use your current location.
5. Enter a subject or business name, city, and state in the search field and tap **Search**.

   – or –

   Tap to use the voice search feature.

   Results are displayed in list format.
6. Tap the globe symbol ( ) to display a map of your present location.
7. Tap to narrow down your search results.
8. Pinch the map screen inwards to zoom out or pinch it outwards to zoom in.
9. Tap a location to see the address, phone number, reviews, and get directions. You can also Share, Add to Favorites, and Add to Contacts.
10. Tap to display additional options.

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://com.iarc.fr/en/media-centre/pr/.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported in the FCC equipment authorization grant are:

GSM/GPRS/EDGE/ WCDMA/LTE

The highest reported SAR values are:

- Head: 0.27 W/Kg
- Body: 1.04 W/Kg
- Product Specific (Hotspot): 1.04 W/Kg
- Simultaneous Transmission: 1.43 W/Kg

WLAN

The highest reported SAR values are:

- Head: 0.14 W/Kg
- Body: 0.39 W/Kg
- Product Specific (Hotspot): < 0.1 W/Kg
- Simultaneous Transmission: 1.43 W/Kg

SAR information on this and other model phones can be viewed online at http://www.fcc.gov/oet/ea. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular

phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

FCC Part 15 Information to User:

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them.

The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important!: Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service

provider or contact Samsung, even if they appear to be working properly.

- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important!: Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

Warning!: Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning!: Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 27.

GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation data may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. Therefore, **you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs**.

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances. Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. From the Home screen, tap . The dialer is displayed.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Tap the key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless mobile devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless mobile devices be compatible with hearing aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities. While some wireless mobile devices are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

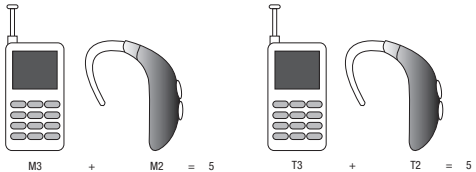
The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless mobile device rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



If a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless mobile device.

"Normal usage" in this context is defined as a signal quality that is acceptable for normal operation. The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC/Wi-Fi for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the

mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are

broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address. To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME

STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a

superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important!: Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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10. Disclaimer of Warranty Regarding Third-Party Applications. SAMSUNG DOES NOT WARRANT OR MAKE ANY REPRESENTATIONS REGARDING THE AVAILABILITY, USE, TIMELINESS, SECURITY, VALIDITY, ACCURACY, OR RELIABILITY OF, OR THE RESULTS OF THE USE OF, OR OTHERWISE RESPECTING, THE CONTENT OF ANY THIRD-PARTY APPLICATION WHETHER SUCH THIRD-PARTY APPLICATION IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG, IS DOWNLOADED, OR OTHERWISE OBTAINED. USE OF ANY THIRD-PARTY APPLICATION IS DONE AT PURCHASER'S OWN DISCRETION AND RISK AND

PURCHASER IS SOLELY RESPONSIBLE FOR ANY DAMAGE TO YOUR MOBILE DEVICE OR LOSS OF DATA THAT RESULTS FROM THE DOWNLOADING OR USE OF SUCH THIRD-PARTY APPLICATIONS. SAMSUNG EXPRESSLY DISCLAIMS ANY WARRANTY REGARDING WHETHER PURCHASER'S PERSONAL INFORMATION IS CAPTURED BY ANY THIRD-PARTY APPLICATION PROVIDER OR THE USE TO WHICH SUCH PERSONAL INFORMATION MAY BE PUT BY SUCH THIRD-PARTY APPLICATION PROVIDER. ANY THIRD-PARTY APPLICATIONS PROVIDED WITH THIS MOBILE DEVICE ARE PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS, WITHOUT WARRANTIES OF ANY KIND FROM SAMSUNG, EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT POSSIBLE PURSUANT TO APPLICABLE LAW, SAMSUNG DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR WORKMANLIKE EFFORT, FITNESS FOR A PARTICULAR PURPOSE, RELIABILITY OR AVAILABILITY, ACCURACY, LACK OF VIRUSES, QUIET ENJOYMENT, NON-INFRINGEMENT OF THIRD PARTY RIGHTS OR OTHER VIOLATION OF RIGHTS. SAMSUNG DOES NOT WARRANT AGAINST INTERFERENE WITH YOUR ENJOYMENT OF THE THRID-PARTY APPLICATION, THAT THE FUNCTIONS CONTAINED IN THE THIRD-PARTY APPLICATION WILL MEET PURCHASER'S REQUIREMENTS, THAT THE OPERATION OF THE THIRD-PARTY APPLICATION WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE THIRD-PARTY APPLICATION WILL BE CORRECTED. PURCHASER ASSUMES THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR, OR CORRECTION. SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY PURCHASER FROM SAMSUNG SHALL BE DEEMED TO ALTER THIS DISCLAIMER OF WARRANTY REGARDING THIRD-PARTY APPLICATIONS, OR TO CREATE ANY WARRANTY.

11. Limitation of Liability. SAMSUNG WILL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND ARISING OUT OF OR RELATING TO THE USE OR THE INABILITY TO USE ANY THIRD-PARTY APPLICATION, ITS CONTENT OR FUNCTIONALITY, INCLUDING BUT NOT LIMITED TO DAMAGES CAUSED BY OR RELATED TO ERRORS, OMISSIONS, INTERRUPTIONS, DEFECTS, DELAY IN OPERATION OR TRANSMISSION, COMPUTER VIRUS, FAILURE TO CONNECT, NETWORK CHARGES, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

NOTWITHSTANDING THE FOREGOING, SAMSUNG'S TOTAL LIABILITY TO PURCHASER FOR ALL LOSSES, DAMAGES, CAUSES OF ACTION, INCLUDING BUT NOT LIMITED TO THOSE BASED ON CONTRACT, TORT, OR OTHERWISE, ARISING OUT OF PURCHASER'S USE OF THIRD-PARTY APPLICATIONS ON THIS MOBILE DEVICE, OR ANY OTHER PROVISION OF THIS EULA, SHALL NOT EXCEED THE AMOUNT PURCHASER PAID SPECIFICALLY FOR ANY SUCH THIRD-PARTY APPLICATION THAT WAS INCLUDED WITH THIS MOBILE DEVICE. THE FOREGOING LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS (INCLUDING SECTIONS 9, 10, AND 11) SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EVEN IF ANY REMEDY FAILS ITS ESSENTIAL PURPOSE.

12. U.S. Government End Users Restricted Rights. The Software is licensed only with "restricted rights" and as "commercial items" consisting of "commercial software" and "commercial software documentation" with only those rights as are granted to all other end users pursuant to the terms and conditions herein. All Software and Products provided to the United States Government pursuant to solicitations issued on or after December 1, 1995 is provided with the commercial rights and restrictions described elsewhere herein. All Software and Products provided to the United States Government pursuant to solicitations issued prior to December 1, 1995 are provided with RESTRICTED RIGHTS as provided for in FAR, 48 CFR 52.227-14 (JUNE 1987) or DFAR, 48 CFR 252.227-7013 (OCT 1988), as applicable.

13. APPLICABLE LAW. This EULA is governed by the laws of TEXAS, without regard to conflicts of laws principles. This EULA shall not be governed by the UN Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded. If a dispute, controversy or difference is not amicably settled, it shall be finally resolved by arbitration in Seoul, Korea in accordance with the Arbitration Rules of the Korean Commercial Arbitration Board. The award of arbitration shall be final and binding upon the parties.

14. ENTIRE AGREEMENT; SEVERABILITY. This EULA is the entire agreement between you and Samsung relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect.

Social Hub

Legal Terms and Privacy

Samsung's Social Hub and (if applicable) the website where you accessed this Disclaimer (collectively, the "Service"), is being made available to you by Samsung Electronics Co., Ltd., and its

affiliates and suppliers (collectively "Samsung") subject to the following enclosed documents:

- Social Hub Terms and Conditions which governs your use of the Service generally;
- Social Hub End User License Agreement which specifically governs your use of the software which forms part of, or enables you to access, the Service; and
- Social Hub Privacy Policy which governs our collection and use of personal information in connection with your access to and use of the Service.

By using the Service, you agree to be bound by the above documents. Please read through those documents to make sure you understand the basis on which Samsung is providing the Service to you.

You will be able to access additional features available at socialhub.samsungmobile.com.

Social Hub Terms and Conditions

Acceptance of the Terms

These Social Hub Terms and Conditions together with the Social Hub Privacy Policy and Social Hub End User Licence Agreement (collectively "Terms") govern your use of Social Hub, which comprises all content and services accessible through Social Hub (including third party content and services), and (if applicable) the website where you accessed these Terms (collectively the "Service"). The Terms constitute an agreement between you and Samsung Electronics Co., Ltd., and its affiliates (collectively "Samsung") with respect to the Service. By using the Service, you agree to be legally bound to the Terms.

You are not allowed to use the Service if you do not agree to the Terms. To the extent permitted by applicable law, Samsung reserves the right to modify, update, supplement, revise or otherwise change the Terms, and to impose new or additional rules, policies, terms or conditions in relation to the Service, from time to time with or without notice to you ("Amendments").

Samsung may provide you with notice of the Amendments by sending an email message to the email address listed in your account information (if any), or by posting the notice on the Social Hub website.

Such Amendments will be effective immediately and incorporated into the Terms upon sending or posting of such notice. You are responsible for regularly reviewing the Terms. Your continued use of the Service will be deemed to constitute your acceptance of any and all such Amendments.

Eligibility

To use the Service, you must be at least sixteen (16) years of age. If you are at least sixteen (16) years of age but are a minor for legal purposes where you live, you must review the Terms

and have your parent or legal guardian accept the Terms on your behalf in order for you to use the Service. The person accepting the Terms on your behalf must be legally competent.

Your Information

When required to provide information in connection with your use of the Service, you agree to provide truthful and complete information. Providing misleading information about your identity is forbidden. When you first use the Service, you may be required to create a username and a password.

You (and your parent or legal guardian, if you are a minor) are personally responsible for any use of the Service with your username and password.

You agree to take due care in protecting your username and password against misuse by others and promptly notify Samsung about any misuse.

Termination of Service

Samsung may terminate or restrict your access to certain parts of the Service if there is an indication that you have breached the Terms or at any time in its sole discretion.

Your Material

Except as set forth in the Social Hub Privacy Policy, Samsung shall not be responsible for any removal of the information or content you have submitted in the course of using the Service ("Material") when your access to the Service is terminated. Your submission of Material in the course of using the Service does not transfer ownership rights in the Material to Samsung. After the Material is removed from the Service by either you or Samsung, some traces of the Material may remain and copies of the Material may still reside within the servers used in providing the Service. However, Samsung does not claim ownership in your Material.

You represent and warrant that you have obtained any consents, permission or licenses that may be required for you to have the legal right to submit any Material. Samsung reserves the right to terminate your access to the Service if Samsung determines, at its sole discretion, that you have repeatedly submitted infringing Materials to the Service.

Using the Service

You agree to:

- Use the Service only for your private, non-commercial purposes;
- Comply with applicable laws, the Terms and good manners;
- Not submit unlawful, offensive, abusive, pornographic, harassing, libelous or other inappropriate Material;
- Respect the privacy of others;
- Obtain any consents, permission or licenses that may be required for you to have the legal right to submit any Material; and

- Not distribute or post spam, unreasonably large files, chain letters, pyramid schemes, viruses or any other technologies that may harm the Service, or the interest or property of the Service users.

Unauthorized use of the Service (including any use in contravention of the Terms) is prohibited and may result in criminal prosecution and/or civil liability.

Restrictions

You and any third party directed by You must not display, copy, store, modify, sell, publish or redistribute the Service (whether all or any portion of it), and such displaying, copying, storing, modification, sale, publishing and redistribution shall be prohibited unless you have obtained all necessary rights and permissions from Samsung and the owners and right holders of such the Service or relevant part.

You must not use the Service for any purposes other than those permitted under the Terms. Without limiting this restriction, you must not use the service for any illegal purposes, to make unsolicited offers or advertisements, to impersonate or falsely claim affiliation with any person or entity, to misrepresent, harass, defraud or defame others, to post obscene or unreasonably offensive material, to negatively present the Service, nor for any commercial purposes.

Except as expressly permitted by the Terms, and except to the extent that applicable laws prevent Samsung from restraining you from doing so, you are not allowed to disassemble, reverse engineer, tamper with the Service, transmit malicious code or collect information of other users through the Service.

You may not take any action to interrupt the functionality of or tamper with the Service or any content or service contained in or provided through the Service, or any servers used in providing the Service, or to unreasonably affect others' enjoyment of the Service in any way.

Actions Required by Law

Samsung may need to comply with lawful interception and/or data retention requirements imposed by your country of residence or any other country in which you use the Service. Samsung may restrict access to any part of the Service or terminate your access to the Service, at any time in its sole discretion if required by law or by the relevant authorities or regulatory agencies to do so.

Third Party Sites and Content

The Service may allow access to sites on the Internet that are owned or operated by third parties. Access to such sites does not imply that Samsung endorses the site or the conduct, products or services on the site. Upon accessing any such site, you must review and agree to the rules of use of the relevant site before using the site.

You acknowledge and agree that Samsung has no control over the content, products or services of third-party sites and does not assume any responsibility for or in respect of such content, products or services. Third party content and services may be terminated or interrupted at any time, and Samsung makes no representation or warranty that any content or service will remain available for any period of time. Samsung expressly disclaims any responsibility or liability for any interruption or suspension of any third party content or service.

In addition, Samsung is neither responsible nor liable for customer service related to third party sites. Any question or request for service relating to third party sites should be made directly to the relevant site operator.

Subscription Information

Use of the Service may involve transmission of data through your service provider's network. Your network service provider may charge you for such data transmission. Samsung assumes no responsibility for the payment of any such charges.

Availability

The Service may be network dependent - contact your network service provider for more information. Samsung reserves the right, in its sole discretion, to change, improve and correct the Service. The Service may not be available during maintenance breaks and other times. Samsung may also decide to discontinue the Service or any part thereof in its sole discretion. In such case you will be provided with prior notification.

Samsung does not represent or warrant that the Service, or any part thereof, is appropriate or available for use in any particular jurisdiction. If you choose to access the Service, you do so on you own initiative and at you own risk, and you are responsible for complying with all US federal, state and local laws, rules and regulations.

Dealings with Others

You may interact with other users on or through the Service. You agree that any such interactions do not involve Samsung and are solely between you and the other user(s).

Intellectual Property

The Service and related software are protected under international copyright laws and you are hereby notified that copyrights are claimed by Samsung.

Subject to the Terms, Samsung retains all right, title and interest in the Service and in all Samsung's products, software and other properties provided to you or used by you through the Service.

Personal Data

The Social Hub Privacy Policy and the following additional provisions govern the use of your personal information. When you access the Service, Samsung may ask for or otherwise collect

certain personal information such as your email address along with your user name and password and, in certain cases, your mobile phone number so that we can communicate with you, for example to send notifications of incoming messages. When you use the Service, certain technical information such as the type and serial number of your mobile device, Internet protocol address, your mobile network and country codes, timezone, technical details of your client as well as your transactions with Samsung, for example your acceptance of the Terms, will be automatically collected by Samsung.

The purposes for which Samsung may use such data are explained in the Social Hub Privacy Policy. Samsung may also participate with your selected service providers in maintaining your contact lists.

The third party services and content you access through the Service and the telecommunications carriers and the network through which you access the Service are provided and hosted by your selected third party content and service providers who typically has a privacy policy of its own. We recommend you familiarize yourself with your service provider's privacy policy. Samsung is not responsible for the privacy or any other practices of such service providers. Although your messages will be transmitted through Samsung's servers, Samsung will not process the content or headers of your messages for any purpose other than as necessary to deliver and manage your messages, unless otherwise required by law.

In connection with certain services accessible via the Service, Samsung may cooperate with your operator and other third parties. Samsung may receive from such third parties certain device specific non-personal information, such as device serial number of the devices sold by the operator with preinstalled software for the Service. Such information may be used for aanalyzing the activation of the Service.

LIMITATION OF LIABILITY

THE SERVICE IS PROVIDED ON "AS IS" AND "AS AVAILABLE" BASIS. TO THE FULLEST EXTENT PERMITTED BY THE LAW AND SUBJECT TO THE TERMS, SAMSUNG DOES NOT WARRANT THAT THE SERVICE WILL BE UNINTERRUPTED OR ERROR OR VIRUS-FREE. TO THE FULLEST EXTENT PERMITTED BY THE LAW AND SUBJECT TO THE TERMS, NO WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF TITLE OR NON-INFRINGEMENT OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE IN RELATION TO THE AVAILABILITY, ACCURACY, RELIABILITY, OF THE SERVICE, INCLUDING ANY INFORMATION OR CONTENT PROVIDED THROUGH THE SERVICE. YOU EXPRESSLY AGREE AND ACKNOWLEDGE THAT THE USE OF THE SERVICE IS AT YOUR

SOLE RISK AND THAT YOU MAY BE EXPOSED TO CONTENT FROM VARIOUS SOURCES.

SAMSUNG SHALL NOT BE HELD RESPONSIBLE FOR ANY THIRD PARTY CONTENT OR SERVICE THAT MAY BE ACCESSED THROUGH THE SERVICE, NOR SHALL SAMSUNG BE HELD RESPONSIBLE FOR MALICIOUS CODE CONTAINED ON OR DISTRIBUTED THROUGH BY THIRD PARTIES.

YOU ASSUME FULL RESPONSIBILITY FOR ANY DAMAGES, LOSSES, COSTS, OR HARM ARISING FROM YOUR USE OF OR INABILITY TO USE THE SERVICE. TO THE EXTENT PERMITTED BY LAW, EXCEPT FOR LIABILITY FOR DEATH OR PERSONAL INJURY CAUSED BY GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, SAMSUNG DISCLAIMS ALL LIABILITIES WITH RESPECT TO YOUR USE OF THE SERVICE (INCLUDING DIRECT, INDIRECT, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES).

IF THERE IS A CLAIM THAT WE HAVE BREACHED ANY OF THE PROVISIONS IN THE TERMS, THIS DOES NOT AFFECT OR INVALIDATE THE OTHER PROVISIONS.

CERTAIN STATUTORY PROVISIONS UNDER APPLICABLE LAW MAY IMPLY WARRANTIES OR CONDITIONS OR IMPOSE OBLIGATIONS UPON SAMSUNG WHICH CANNOT BE EXCLUDED, RESTRICTED OR MODIFIED OR CANNOT BE EXCLUDED, RESTRICTED OR MODIFIED EXCEPT TO A LIMITED EXTENT. THE TERMS MUST BE READ SUBJECT TO THESE STATUTORY PROVISIONS. IF THESE STATUTORY PROVISIONS APPLY, TO THE EXTENT TO WHICH SAMSUNG IS ABLE TO DO SO, SAMSUNG LIMITS ITS LIABILITY UNDER THOSE PROVISIONS TO, AT ITS OPTION, IN THE CASE OF SERVICES (A) THE SUPPLYING OF THE SERVICES AGAIN;

OR (B) THE PAYMENT OF THE COST OF HAVING THE SERVICES SUPPLIED AGAIN AND, IN THE CASE OF GOODS, (A) THE REPLACEMENT OF THE GOODS OR THE SUPPLY OF EQUIVALENT GOODS; (B) THE REPAIR OF THE GOODS; (C) THE PAYMENT OF THE COST OF REPLACING THE GOODS OR OF ACQUIRING EQUIVALENT GOODS; OR (D) THE PAYMENT OF THE COST OF HAVING THE GOODS REPAIRED.

Indemnification

You agree to defend, indemnify and hold harmless Samsung from and against any and all third party claims and all liabilities, assessments, losses, costs or damages resulting from or arising out of i) your breach of the Terms, ii) your infringement or violation of any intellectual property, other rights or privacy of a third party, iii) misuse of the Service by a third party where such misuse was made possible due to your failure to take reasonable measures to protect your username and password against misuse.

Choice of Law

Except where prohibited by applicable law or provided otherwise herein, the Terms shall be governed by the laws of the State of New York without regard to its conflict of law provisions.

You and Samsung agree to submit to the non-exclusive jurisdiction of the competent courts in the State of New York to resolve any legal matters arising from the Terms. Notwithstanding this, you agree that Samsung shall still be allowed to apply for injunctive remedies (or equivalent type of urgent legal relief) in any jurisdiction.

Miscellaneous

The Terms (including all documents comprising the Terms) constitute the entire agreement between you and Samsung, and supersedes any prior agreement between you and Samsung, with respect to your use of the Service. Your use of any third-party content or service accessed via the Service will be governed by the terms and conditions furnished with, and applicable to that content or service. If any provision of the Terms is held invalid, illegal or unenforceable, that portion of the Terms shall be construed in a manner consistent with applicable law to reflect, as nearly as possible, the original intentions of the parties, and the remaining portion of the Terms shall remain in full force and effect. Samsung's failure to enforce any right or provision of the Terms will not constitute a waiver of such provision, or any other provision of the Terms.

Samsung will not be liable or responsible for any failure to fulfill any of its obligations under the Terms which failure is due to any cause or condition beyond the reasonable control of Samsung. If there is any conflict between these Social Hub Terms and Conditions and the Social Hub Privacy Policy, the provisions of these Social Hub Terms and Conditions shall prevail. The provisions of the Terms that are intended to or by their nature should survive termination of your use of the Service shall remain valid after any such termination.

Social Hub Privacy Policy

Samsung Electronics Co., Ltd. ("Samsung") is committed to protecting the online privacy of visitors, users and customers to our Social Hub service. This privacy policy ("Privacy Policy") forms part of the Terms which govern your use of Social Hub(excluding any third party content and services), and (if applicable) the website where you accessed this Privacy Policy, (collectively, the "Service"). The purpose of the Privacy Policy is to inform you about the types of information we gather about you when you access or use the Service, how we may use that information, and if and how we disclose it to third parties.

All users of the Service are required to provide true, current, complete and accurate personal information when prompted and

we will reject and delete any entry that we believe in good faith to be incorrect, false, falsified, or fraudulent, or inconsistent with or in violation of the Privacy Policy.

We will provide you with an opportunity to give your consent in relation to your use of the Service. Separate from such consent, your access or use of the Service will be construed as your acceptance of the Privacy Policy and of our collection, use, disclosure, management and storage of your personal information as described below. We may, from time to time, transfer or merge any personal information collected off-line to our online databases or store off-line information in an electronic format. We may also combine personal information we collect online with information available from other sources, including information received from our affiliates, marketing companies, or advertisers. This Privacy Policy covers all such personal information and will remain in full force and effect as long as you are a user of the Service, even if your use of or participation in any particular service, feature, function or promotional activity terminates, expires, ceases, is suspended or deactivated for any reason.

INFORMATION THAT WE COLLECT

Personal Information

We may request that you supply us with "personal" information, such as your name, e-mail address, mailing address, home or work telephone number in the course of you accessing or using the Service, such as via registration forms, surveys, and polls. In each such case, you will know what categories of information we collect because you will actively provide the information to us. You may not be able to fully utilize all of the features or components of the Service if you choose not to provide certain information. If you do choose to give us personal information through the Service, we will collect and retain that information.

Non-Personal Information

When you use the Service, we may also collect "non-personal" information. We consider "non-personal information" to be information that, by itself, cannot be used to identify or contact you personally, such as demographic information (your age, gender, income, education, profession, zip code, etc.). Non-personal information may also include technical information, such as your IP address and other anonymous data involving your use of the Service.

Non-personal information may also include information that you provide us through your use of the Service, such as the terms you enter into the search functions of Social Hub, mail inbox and instant messenger. We reserve the right to use or disclose non-personal information in any way we see fit.

USE OF INFORMATION WE COLLECT

Our Services

We use your personal information to provide you with any services that you may request or require, to communicate with you and to allow you to participate in online surveys. We use aggregated non-personal information about our users to understand the demographics of users of the Service, such as the percentage of male and female users, the geographic distribution of our users, the age ranges of our users, a combination of these and/or other demographics. We may also use the personal or non-personal information we collect to analyze how Service is being used, and to improve the content of the Service, and for marketing and promotional efforts.

E-mail Communications

If you send us an e-mail with questions or comments, we may use your personal information to respond to your questions or comments, and we may save your questions or comments for future reference. Aside from our reply to such an e-mail, it is not our standard practice to send you e-mail unless you request a particular service that involves e-mail communications. However, you consent to us contacting you by e-mail, and sending you information about products and services which we believe may be of interest to you. You may have the opportunity to subscribe to an electronic newsletter in which case information about the Service or our advertisers will be sent to your e-mail address. We will provide you with the option to change your preferences and opt-out of receiving those communications. You may request at any time that we not e-mail you in future by clicking the "unsubscribe" link which is included at the bottom of any e-mail that you receive from us. If you unsubscribe, we will make reasonable efforts to discontinue e-mail communications to you as soon as practicable.

DISCLOSURE OF INFORMATION TO THIRD PARTIES

Aggregate Information

Except as specifically set forth in this Privacy Policy, we do not share your personal information with any third party without your permission. We may disclose aggregate information, such as demographic information, and our statistical analyses to third parties, including advertisers or other business partners. This aggregate information does not include your personal information.

Service Providers

We sometimes engage unaffiliated businesses to assist us in providing you certain services. For example, we may use third parties to provide advertising, marketing and promotional assistance, provide e-mail services, or facilitate our online services. In those instances, we may need to share your personal

information with them. We require these companies to use your personal information only to provide the particular product or service and do not authorize them to use your personal information for any other reason.

We sometimes offer promotions in conjunction with a third party sponsor.

If you choose to participate in those promotions, we may share your information with the sponsor if they need it to send you a product or other special promotion they offer.

Third Party Advertisers

We may use third-party advertising companies to deliver specific advertisements to you. These companies may collect non-personal information about your visits to Social Hub in order to provide advertisements about products and services that may be of interest to you. These companies may also aggregate your non-personal information for use in targeted advertising, marketing research, and other similar purposes. These companies may place their own cookies on your computer. If you want to prevent a third-party advertiser from collecting and using this information, you may visit each third party advertiser's website directly and opt-out.

Other Disclosures

We may disclose personal information when we are required or requested to do so by law, court order or other government or law enforcement authority or regulatory agency; to enforce or apply our rights and agreements; or when we believe in good faith that disclosing this information is necessary or advisable, including, for example, to protect the rights, property, or safety of the Service and Samsung, our users, or others.

CHILDREN

The Service is not designed for use by children without their parent's supervision. We ask that anyone under the age of sixteen (16) not submit any personal information through the Service. We do not knowingly collect any personal information from children under the age of eighteen, and therefore we do not knowingly distribute such information to third parties.

SECURITY OF THE INFORMATION WE COLLECT

The security of your personal information is important to us. We maintain physical, electronic, and procedural safeguards to secure your personal information. However, there is always some risk in transmitting information electronically. The personal information we collect is stored within databases that we control.

As we deem appropriate, we use security measures consistent with industry standards, such as firewalls and encryption

technology, to protect your information. However, we cannot guarantee the security of our databases, nor can we guarantee that information you supply won't be intercepted while being transmitted to us over the Internet.

CHAT ROOMS AND OTHER PUBLIC AREAS

Our third party service and content providers may offer chat, user reviews, bulletin boards, or other public functions and any posting by you is considered public information available to other users. Any posting is governed in accordance with the third party service and content providers' terms and conditions. You should take care not to use personal information in your screen name or other information that might be publicly available to other users.

Archived Information

We maintain archives of web logs, database, and other systems and information in relation to the Service. Please note that it is possible some of this information may remain archived after we delete the information from its active database. We maintain archives for disaster recovery, legal and other non-marketing purposes.

How can I update my profile?

You can help us maintain the accuracy of your profile by notifying us when you change zip/postal code, country of residence, age range, or e-mail address. If at any time you wish to update your information or stop receiving communication from us, sign in to the Service and then select 'update your profile' to change your preferences.

CONTESTS AND SWEEPSTAKES

Registration may be required to enter promotions such as contests and sweepstakes on Social Hub. These registration or entry processes may require your submission of personal information such as your first and last name, street address, city, state and zip code, e-mail address, telephone number and date of birth. The entry page and/or rules for the promotion will provide the specific requirements for the promotion. You may also have the opportunity to opt-in to special offers from our advertisers in connection with these promotions.

ACCURACY OF THE INFORMATION WE COLLECT

Any questions you may have regarding this Privacy Policy, the accuracy of your personal information or the use of your personal information, or any requests that we correct, update, or remove your information in our databases, should be directed via e-mail to s.dufresne@Samsung.com, or via regular mail to:

Samsung Telecommunications America, LLC

1301 E. Lookout Drive, Richardson, TX 75082

Attn: Customer Support Department

After receiving a request to change your information, we will make reasonable efforts to ensure that all of your personal information stored in databases we actively use to operate the Service will be updated, corrected, changed or deleted, as appropriate, as soon as reasonably practicable. However, we reserve the right to retain in our archival files any information we remove from or change in our active databases. We may retain such information to resolve disputes, troubleshoot problems and enforce our Terms.

In addition, it is not technologically possible to remove each and every record of the information you have provided to us. A copy of your personal information may exist in a non-erasable form that will be difficult or impossible for us to locate.

CHANGES TO PRIVACY POLICY

This Privacy Policy is effective as of May 29, 2010 and complies with Samsung's Corporate Privacy Policy. We reserve the right to change this Privacy Policy at any time, and will post any such changes to this Privacy Policy on the Social Hub website. Please refer back to the Social Hub website on a regular basis to obtain the most up to date Privacy Policy.

Social Hub End User License Agreement

1. SOCIAL HUB

This end user license ("License") allows you to use Social Hub ("Software") made available on your mobile device. This License is a legally binding agreement between you and Samsung Electronics Co. Ltd. the ("Licensor").

2. LICENSE

2.1 Licensor grants you for the term of this License a limited, personal, non-exclusive, non-transferable license to use the Software in object code executable only form on a single device for non-commercial uses.

2.2 All rights not expressly granted to you under this License are reserved to Licensor, and you agree not to take or permit any action with respect to the Software that is not expressly authorised under this License. For the avoidance of doubt, you have no right to use, incorporate into other products, copy, modify, translate or transfer to any third party the Software or any modification, adaptation or copy of the Software or any part thereof, nor to decompile, reverse engineer, or disassemble the binary code of the Software, either in whole or in part, except as expressly provided in this License.

2.3 The Software is licensed to you only. You may not rent, lease, sub-license, sell, assign, pledge, transfer or otherwise

dispose of the Software, on a temporary or permanent basis without the prior written consent of Licensor.

3. OWNERSHIP OF INTELLECTUAL PROPERTY RIGHTS

3.1 Your only right to use the Software is by virtue of this License and you acknowledge that all intellectual property rights in or relating to the Software and all parts of the Software are and shall remain the exclusive property of Licensor or its licensors.

3.2 You agree that you will not remove or alter any copyright notices or similar proprietary devices, including without limitation any electronic watermarks or other identifiers, that may be incorporated in the Software or any copy of the Software.

4. CONFIDENTIALITY

4.1 The structure, organisation and source code of the Software are the valuable trade secrets and proprietary confidential information of Licensor and its licensors. You agree not to provide or disclose any such confidential information in the Software or derived from it to any third party.

4.2 The provisions of clause 4.1 will not apply to any information which is:

4.2.1 lawfully obtained free of any duty of confidentiality (otherwise than directly or indirectly from Licensor); or

4.2.2 already in your possession, provided that Licensee can show such possession from written records (other than as a result of a breach of this clause 4); or

4.2.3 which you can demonstrate is in the public domain (other than as a result of a breach of this clause 4).

4.3 To the extent that any information is necessarily disclosed pursuant to a statutory or regulatory obligation or court order, such disclosure shall not be a breach of this clause 4 provided you do what you can to prevent any such disclosure.

5. WARRANTY AND SUPPORT

The Software is provided "as is" with no representation, guarantee or warranty of any kind as to its functionality or that it does not and will not infringe any third party rights (including intellectual property rights). Licensor has no obligation under this License to provide technical or other support to you.

6. LIMITATION AND EXCLUSION OF LIABILITY

6.1 Licensor does not exclude its liability (if any) to you:

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